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<223> Clone ID: 700943971H1

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aaagctgatt ttgaatctca tatccaagac agccacggaa accttcttcg acccaatgca 180

gataaagaag ctggaaatga gtcggaggca cagagtgtta ggcaatcaac ggcttcaga 239

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<223> Clone ID: 700943972H1

<400> 38810

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acctaattca tagacagatc taaattcgtc tcagtacttg ttctccgaga ccgaagcggc 180

tccttacata gatctggatt acgcggccat ggatccgcag actgagcaga taagttccg 239

<210> 38811
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 <212> DNA
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<223> Clone ID: 700943973H1

<400> 38811

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ttggatgcc aatgtcaagaa acttgagtca gaactggcag aggtataact agctcgatgg 120

tcaaagctct cctctcaggt caccacgagt gatggcagaa ctattgtgtc caacaatg 178

<210> 38812
 <211> 92
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 <223> Clone ID: 700943936H1

 <400> 38812

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 ttcgctgacc ggatccattc cgaaccggtt tt 92

<210> 38813
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 <212> DNA
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 <223> Clone ID: 700943904H1

 <400> 38813

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 acaacaaca caacaacgtg tcctccgacc tgaaggcggt ctccgcccgc ctggccctct 180

 cctccatcct cctctccgcc cctctccccg ccggcgccga catctcgagg ctcaccccat 240

 gcaagga 247

<210> 38814
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 <213> Glycine max

 <223> Clone ID: 700943906H1

 <400> 38814

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 tggcgccggc aaagggtcgca ctaacatgcg ccgcaccgtc aagagtgtc ctcagagcat 180

 ttggatatggc cctgaccgtc ccaagtactt ggggccattc tcggagcaga ttccatcata 240

 cctgac 246

<210> 38815
 <211> 246
 <212> DNA
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<223> Clone ID: 700943907H1

<400> 38815

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 cttgtggggg ccggcatcaa gccaacatct atagttagtt acaaccatct gggcaacaat 180
 gatggcatga atctctcagc ccctcaaacc ttccgctcta aggaaatctc caagtaccat 240
 gttgtt 246

<210> 38816
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<223> Clone ID: 700943909H1

<400> 38816

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 agtgaagagg tgaatgaaga aggcaccgaa gaaggcccta ctttgcagac agatcgggga 180
 agacactaat cttgaaaagc cacttgaata atgacattag agatgacagt ttttaattttc 240
 ttgtttatga 250

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 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943910H1

<400> 38817

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gcgcgggcaa caactgggca caggggcact acacggacgg cgccgagctc atcgactccg 180
tccttgacgt cgtgcgcagg gaggcgagaa atgcggatg 219

<210> 38818
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943911H1

<400> 38818

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tgtgactgtt aacatcgagc cggagccgaa tgtggtgcag caggattttg tagacatgta 180
catgagattc atgcagcaat tcaccgagtc attggcaaaa atgaagcttc ctgtggactt 240
tgaaagt 247

<210> 38819
<211> 183
<212> DNA
<213> Glycine max

<223> Clone ID: 700943912H1

<400> 38819

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atggctccaa agaaggacaa ggctcccca ccttcattca agcctgccaa gtctggcggt 120
ggcaagcaga agaagaagaa gtggagcaag ggtaagcaaa aggcaaaggt gaataacatg 180
gtg 183

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<212> DNA
<213> Glycine max

<223> Clone ID: 700943913H1

<400> 38820

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acaacacaaa cacaaacaca aacaaagaca acaaccttgt ttgtctgcaa tcaaacctt 120
 tcaagctggc gtctgagaac caagacaccc ctgtccgaga aatcaagccc aagaaccgga 180
 gattcatggg tgctggaggc cctgatgacg aggacatagg tgggccacat ggctggaaac 240
 tcttctcaag 250

<210> 38821
 <211> 96
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<223> Clone ID: 700943915H1

<400> 38821

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<210> 38822
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943916H1

<400> 38822

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 cactgttatt gggttagtcg caacttggtg ctactgtgtc tagcgaattg aagtctatca 180
 caatagaata tcgagggaaa ttttacctga gtttctgaag gaagaccatg atttcgtggg 240
 tttttttt 248

<210> 38823
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943917H1

<400> 38823

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 gatgctacgt ttaatcagtt aggtcagatg tcacaaactc aggcctcact tggctatata 180
 cctccttcaa ccccgataat gggtcctttt ggcaccacag gattaaatca gacatctagt 240
 gaggggtg 247

<210> 38824
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943918H1

<400> 38824

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 ccaaggagaa actagtgatt gaggatgatg gtaaattcaa tcaagaagaa gcaaaaggga 120
 tcgaagaagc aacaaaaaca ctgttactaa atactgcaac agagagccta acagaggaag 180
 aagtccagga aatattgccc actcctgcaa ttgtccaacg tgacacaaag caaatcatgc 240
 aacaacaa 248

<210> 38825
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943920H1

<400> 38825

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 ctgcattggt ggtattgagg gtatgcacac ttgtattgta agcctcactt taagaaaatg 180
 ccacaattgt ggtcagaaga cagtgagctt acctctattt ggggagattt ctattttctc 240
 cctg 244

<210> 38826
 <211> 233
 <212> DNA
 <213> Glycine max

<211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943924H1

<400> 38829

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 gacaacaaaa gctcgagatc tggtttcact ctatggagca gatgcatatc ctttcaccga 120
 ggagagaata aaagaaatag agacagaaca agaagagact gcaaaggggt ggccggagaa 180
 gctgaagcat gaattacatg agcatgagct tgtgttgacg cgccgcaggg tgtattactg 240
 tgatgct 247

<210> 38830
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943925H1

<400> 38830

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 gtgcttttagt ggtgagttta tcagagtgga ttagggatat gagattgttg tatccctcta 180
 tgaatttatt ctgaggtatg ctatatatga ttgcttcata tattttttat gcacacttcc 240
 acggtgg 247

<210> 38831
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943926H1

<400> 38831

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 ttaatatacg gtagaagcta gcttaggttc agcatcatag ctgacatcga gggagttgca 120
 agatttgcca gaaggatgca ttgccacaat actgtcatat aacagtcctg tggatg 176

<210> 38832
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 <212> DNA
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<223> Clone ID: 700943927H1

<400> 38832

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 aatagagctt cgaatcgaaa ctgagaatta gaaaaaaaca caaatcaca tcacaatggc 120
 aaggtacgac cgagtaatca ccgttttctc ccccgacggc cacctcttca cagtcgagta 180
 tgccctcgta gccgtcc 197

<210> 38833
 <211> 129
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943928H1

<400> 38833

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 ctttcttagt tgctccttgc cataagttaa aatggcccaa tacactttcc tatacgcac 120
 tgaatcagt 129

<210> 38834
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943930H1

<400> 38834

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 aagagtattg ccctcagaac tgcaatcatg ttccccgcaa tcgtttctgc cattttcttt 120
 gtattaaatg ctctcatatg gggacaaaaa tcatctggag ctgtgccatt tgggaacatg 180
 tttgcctga tcttttttag gtttggggat tccggttcaa ctgttttcgg ttggtgccaa 240
 gctgggttta aag 253

<210> 38835
 <211> 245
 <212> DNA
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<223> Clone ID: 700943903H1

<400> 38835

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 aatttcgcag attcaaatct tcagactttt cctccttctg gagctcaggg caagatcacc 180
 gctgcttccg ggcctcctcg tgacgctgat gattcatttt caaaacctgt atctggttct 240
 gatga 245

<210> 38836
 <211> 221
 <212> DNA
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<223> Clone ID: 700943931H1

<400> 38836

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 caacagttcc agacaatgga acaaccgagg taatcaagac ccaggatata acccggaacc 180
 catacaagca atgaagctcc tgcaacagaa caagcagcag c 221

<210> 38837
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943932H1

<400> 38837

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 atagagagat ggcagctgca acatctggtg ctgtgttaaa tgggttgga tcttccttct 120
 tgagtggagg aaacaggagc caaaccttctc tggcctctgc tattggaggc aagttggtgc 180

tgctgttact gttaatccca gaagactcat tgtggtagct gctgctgcac catagaagtc 240
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<210> 38838
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943933H1

<400> 38838

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 tgcaagttca accatcctga tcctacagct gttggaggag gaggaggtag acctccttca 180
 gggatatgta atggaggggtc tatttcatta caaggtgtat cacaacatc tgtaccctcc 240
 tggctct 246

<210> 38839
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943934H1

<400> 38839

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 agccaaagag gcctccaagt gctttcttcg ttttcatgga ggagttcagg aaggtattca 180
 acaaagaaca tcctgaaaac aaagcagtgt ctgctgtggg caaagctgct ggagcaaaat 240
 gga . 243

<210> 38840
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943935H1

<400> 38840

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 ttccattgct gccaaccaag gagaccgtgc cactaacgta atcaggggca caacgaaaga 120
 acaagttgaa caaatcatca aagacattaa ggagttcaaa gaaagcacta aggttgacaa 180
 ggtgggttgc ctgtggacag ccaacacaga gaggtacagc aacgtgattg tgtggactaa 240
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<210> 38841
 <211> 259
 <212> DNA
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<223> Clone ID: 700943864H1

<400> 38841

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 tgaggaggtc tggaatgaca gaaatccctt gttgccttct gacccttacc agagagctca 180
 ggctagattc tgggctgact ttgttgacaa taagatattt gatcttggaa gaaagatttg 240
 gacatcaaag ggagaggaa 259

<210> 38842
 <211> 227
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943865H1

<400> 38842

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 tgagaggttt attgggatgg agactttgaa gatggagatg atgaaggaga cggaacggtg 180
 taggttggag atggagaaga tgcggatcca gatgattctg gaatcac 227

<210> 38843
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943866H1

<400> 38843

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ttgagagtcc taacgtgaag tacacagaga ctgagattca gtccgtgtac aactatgaaa 180
ccactgaact tgttcacgtg aacaataatg gcacttatca gtgggttgtc aagcccaaaa 240
ctgtcaaata tgaatttaaa ac 262

<210> 38844

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700943868H1

<400> 38844

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tcccaaactc agctggtcga ctctcccgag tctgaaagtc agcgggtcga ctcacctgag 180
tctaagattc gtcgagttga ctogtccgag tctcaactcg actcgggtct tgactcggag 240
gtgcgtctac aagacga 257

<210> 38845

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700943869H1

<400> 38845

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ctcccacttc aaaattcatg tctccctctt cctccacgc gtcctcatc attctcttcc 180
taggttcgc acacgcgtc aagggtccct tccgagtcaa cgatgttctc cccgttctcc 240
cccacggaat ctctggccg 260

<210> 38846
 <211> 256
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<223> Clone ID: 700943871H1

<400> 38846

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 ttgtcaagcg cagtgtgaa tataaacctt tgcagttttt agcctttgcc tttgtttata 180
 ggctttttga gaagttaaaa acctttgaat ctctgtaac ccccaaatat aatgaagagg 240
 gtgaagacac aggcga 256

<210> 38847
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943873H1

<400> 38847

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 caaggatctg agttgagttg agtgatcatg tgtgggtggtg cgattatctc cgacttcata 180
 ccggcaggtc ccgccagcgg ggcgcggcgc gtgaccgccg acatcctgtg gccgagtttg 240
 aggaagcgc 249

<210> 38848
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943874H1

<400> 38848

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<400> 38851

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 aaaagaagaa aaagaatcaa tcattcattg atcgctgaaa cgatacgatg acaggggaagg 180
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<210> 38852

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700943879H1

<400> 38852

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 gacatcgcta aattatggcg gccggacggg tttcctggag gaggacaagt cctggatcga 180
 ccaaattccag gagaaggtag cctcttttga gtcctaccat gtcattgtac acacaaaggc 240
 caccaggctg aa 252

<210> 38853

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700943880H1

<400> 38853

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 tcttcagtct tcattcttct cacttcacga atcacgaccg aaccgtgaaa aacgttccca 120
 gcctcccacc gtgccacctc ttcaggtgta aaaatggggt tatctgccaa gaaatctaga 180
 aaaagaggaa aaagggacag tgattcagat gaatacgata atatggagta tgaagagggtg 240
 gaggatgatt acgatga 257

<210> 38854

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700943881H1

<400> 38854

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 cccgcaaagg cagagaagaa gcccgcggag aagaagccgg cagagaaggc cccagcggag 120
 aagaagccga agggttagaa gaagatatcg aaggaaggag gaag 164

<210> 38855

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943882H1

<400> 38855

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagtgt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
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<210> 38856

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700943885H1

<400> 38856

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 tcgtggtggt atgcagatct tcgtcaagac ccttacgggt aagactatta ccctcgaggt 180
 ggagagctcc gacaccattg acaatgtgaa ggcgaagatc caggacaagg aaggaatccc 240
 accggaccag cagag 255

<210> 38857

<211> 255
 <212> DNA
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<223> Clone ID: 700943888H1

<400> 38857

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 ttcagagtag tacagatatt ttccttatgt atacttatat ggctatattgc ttccactggg 120
 atgttttgca gctttcttat tttttcttgg atctccttga tttggatgag gaggctggca 180
 tgatccagaa gtcaactaac caaactgac aaaatgagaa tgtatttact tattatttct 240
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<210> 38858
 <211> 251
 <212> DNA
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<223> Clone ID: 700943889H1

<400> 38858

tctggagctt acaaagatgc gaaaggaaag tgttgaaaag gcttccataa tttgctccct 60
 gaatgaactt gattcattag gcggttgtga agggaatacc ccagagcaaa tcagtgcaca 120
 attagaaaga ctaaatacaga caattaggcg tgagagccaa aggtactctg aatcaatcga 180
 tgatctcagg atgctgtata agaaaaaaga gcgtaagatt ataaaaaggc agcaagttaa 240
 caaaactctt c 251

<210> 38859
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943891H1

<400> 38859

gggatgtgaa gatggagtac aaaattttga agcagaaggt gagagaacac aacaagaagg 60
 acgcacagtt ttacggcagc atatttgcaa aatgaataa actagaacaa gcaagaacag 120
 caacagcaaa gcaggagccg gtgccaatga ctattgacag caaagcttaa atttaaattt 180

gagagatatc tctgtctgtg gtcgtctctg catagtacga tattccaatt gttgtgtcgt 240
aagtcttggt aa 252

<210> 38860
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700943892H1

<400> 38860

accacattga tctttcaaaa tcttcataaa acaaagttct tatgctccaa aattggatcc 60
ctgacctgcc attgaagatg aatctaata agctaagggt aaatcatctt ctgagttgag 120
ttgattgggt acagaaacgc agcgtttaga gcaccagcga aactcttttg cacgaacaat 180
gaagcttcag attttcacc c aactaaacca atctcaaaaa tccgcattgg cgggtggtttt 240
cgtcattctc tt 252

<210> 38861
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700943893H1

<400> 38861

caaggaccag tatatgtggg aactggatgt gttttcaata gacaagcact ttatggctat 60
agccctcctt ctatgcccag cgtaccaaga tcttcatgct gttgcttccc ctcaaagaag 120
tccaccaacg atgtctcaga ctttcaaaga aacgcaaaga gggaagaact tgaggccgcc 180
atttttaatc tcaaggaact tgacaattac gatgagcatg agaggtc 227

<210> 38862
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700943894H1

<400> 38862

gccactggtc cacttgggaa ggaactcttt gaaaaggaac aggatgatct actctcgat 60

ctgaaagatg taccaaaagc agcttgtgat cgaagaatca atgagtttgt aaaacggggc 120
 cgagcagcca agatacatgc ttacattatc agccatctta aaaaggagat gcctgctatg 180
 ataggcaaag ctaaagctca acaaaagctc atcgataatt tggcagctga atttggaaag 240
 gtacaaagg 249

<210> 38863
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943895H1
 <400> 38863

cgccgccgga ggagctggtg gccgctggca gcagaacgcc gtcgccgaag acgacggcgg 60
 ggaagctgct gaaccggttc gtggagagca aggcgtcggc ggtgtcgctg caggtggggg 120
 aacacgtgca gttggcttac acacaccaca acgaatcacc gtggcatccc agatcatttg 180
 ctgttaagga tgagatattc tgcttgtttg agggggctct agacaatttg ggcagcctga 240
 gacaacagta tgga 254

<210> 38864
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943863H1
 <400> 38864

gcgagtttag gcgcggcggg atcatcacga gattgcaaaa tgaagttcaa cattgcaa 60
 cccaccactg ggtgccagaa gaagctggaa atcgatgacg acctgaagct tcgggcattt 120
 tgggacaaga ggatctccca ggaggtcctt ggtgacgccc tgggtgagga gtttaaagga 180
 tatgttttca aaatcactgg tgggtgtgac aaacaaggat tcccaatgaa gcagggagtg 240
 ttgacccctg gtcg 254

<210> 38865
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943896H1

<400> 38865

ggggcagaat aagttgttgt aataattgaa gaattatgct tagaattgtg ggattaatta 60
 ggcataacaa attgctgaat atatatagag aaagttaagt tctttcgaat tcctagacta 120
 aacaagaggg agaaattggt gttagcacia gataaaggag ctttattagt ttcttggtgc 180
 tatattgtga atagagctgg cactatgtac cttgatctca agagataaaa gattttaatt 240
 tgagagaatc attga 255

<210> 38866

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700943902H1

<400> 38866

gtaggtattc ggctcgaggt gatgatgtga taattgatgg gcttgatact tcgtccttca 60
 ctgcgtttct ctattctctg ttgtctactt cggattccgg ggataaagtt ggtgaagctg 120
 ataagaagaa tgatgatgag gtggcaggtg atgactcttt actatcagac tcagccacga 180
 aggaaagttt tgttgtgaag aaaagtttgt tttccaggag caaacattca cttggtaggg 240
 ccattcacca aatgggtgga ttttag 265

<210> 38867

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700943828H1

<400> 38867

ctcctttacc accattagag aaagtaggga tgccaggagt ggaggagaaa ccagtggata 60
 ctttgtccac tgcagctgaa ggtaatgtgg aagatgtaaa acttcctgat aatggaaatg 120
 tggagtgtgt atcttatcca gagttggtaa aactatgcaa agagatggat gctgctggac 180
 ttcacaaatt catatctgat aaccgtaaga accttgctgc tgtaagggat gaaataccaa 240
 atgctttaag agctgctcct 260

<210> 38868
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943829H1

<400> 38868

ccctcgagcc gattcggctc agcttttaaa ccttagtctc ccacggaaga cttcaacaga 60
 agaaaaagga agaattaata tacactcttc catggttgcc gacgaagctt caccattcga 120
 gaccagcgat atgctggcaa cgctcctggc gtcgacgccg ctgttgtcag agtcatggcg 180
 gctgtgcacc accgtggccg ccaccgcgcc gaggagtttc atgactgagc agcacgggtg 240
 cggcgggtgtg gtgtacgtcg ct 262

<210> 38869
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943832H1

<400> 38869

tgttcaagaa agacggaagc accactgctg gtaattctag ccaggtgacc gatggggctt 60
 cagctgttct gctgatgaaa agaagtgttg cattgcaaaa ggggctaccc attcttggtg 120
 tattcaggac ttttgcagca gttggtgttg atcctgccat catgggtgtt ggccctgctg 180
 ctgcaattcc tgttgctgtt aaggctgcag gtctagagct tgatgatatt gatctttttg 240
 aaataaatga ggcatttgcc tcccagt 267

<210> 38870
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943833H1

<400> 38870

atcgctgtaa cattctgtgt gacgctggct gcatcattag ctgcacggca gggaccaaca 60
 tctatggccg catttcaagt atgtctgcag gtttggttgg cagtgtctct tcttgccgat 120

ggctctggctg ttgctgggca ggcaattctt gcaggtgcat ttgctaataa ggacttcaac 180
 agggccacag caactgcac cccagattcta cagatggggtt tggttctagg attggcactt 240
 gcattcattc ttggaacagg attgc 265

<210> 38871
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943835H1
 <400> 38871

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 aggccgagaa gaagcccgcg gagaaaaagc ccgcagagaa ggctccggcg gagaagaagc 120
 ccaaggccga gaagaagata tcgaaggaag gaggaagcga gaagaagaag aagagaacaa 180
 agaagagcgt ggagacctac aagatttaca tcttcaaggt gctgaagcag gttcaccccg 240
 acatcggaat ctcaagcaag gccatgggg 269

<210> 38872
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943836H1
 <400> 38872

ggaaaagcca aataccgtgg gctcttgaat ttgtagataa gaatgctttt atgtcaaggg 60
 tgtatttgta tcccttttgt ttttaatttc tttttcttc caagtattta tcatcatgtg 120
 ttcactttta tataatgtgg aggatcatta gccaaagttt ctttttgct gtttcattcg 180
 taagtgggtg atcttcatca tcatcatgct tccgcacaaa a 221

<210> 38873
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943838H1
 <400> 38873

aaccatttcc aagatgcgtg attaaacggc tgagattgtg tacagttatc cagaaacaga 60
 tacgtagac aaccgaatc ccttattaag caggggttcc gcggcgag acggtgacac 120
 tggcagagtga gaatttcgc cgccattcga agctacagcg atggccataa ccgccacc 178

<210> 38874
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943839H1

<400> 38874

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 gagaaagcga tcagcagaca gaagattttg cttcatcatc tcaacccttc atcgtctacc 120
 cacgtcaacg aatcatcctc cctctatgct tcagcatgtg tggcggggga cagcgctgct 180
 tatcaaagga catcgacatt cagggatgat gttgtgatcg tggctgctta tcggactgct 240
 cattgcaaag gtaaactgtg 259

<210> 38875
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943840H1

<400> 38875

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 ttctcttctt caccgtggtt agctccacat atgtgccatg caaccacgc cccaaaactc 120
 caaacacccc acctgtccca aagccacctt ccccaaagca agcaagttgc cccaaagaca 180
 ctattaagtt tgggtgtgtg gctgatgtgt taggtttgat caacgtgcaa cttgggaagc 240
 caccaaagac cccatgctgc 260

<210> 38876
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943841H1

<400> 38876

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ccaatgaagg gaatgcttac cggaccagtt gagaatggta acaggaccgg taagcattct 120
caactggtcc tttgttagaa atgaccaacc tagatctgag accacctacc agattgcttt 180
gtctatcaag gacgaagtgg aagacctga aaaggctggc atcactgtta tccaaattga 240
tgaagctgct ttgagagagg 260

<210> 38877

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943843H1

<400> 38877

ttaacatata caaattctct gtgttgtgtt gtgtacttgt gtttaattgtg ttgttgttgt 60
aggaaattta agtgaagaga gaatgatgat gaagtctgct atgtgtgcat tgggtgcttgt 120
ggcactgggt gtggttgaag tggggcccat ggctgaggct gcggtgactt gcaaccaaac 180
acagttgact ccttgtcttc cggcaattaa ttcaggttct gcaccttga gtgcttgttg 240
ccagaagctg aaggag 256

<210> 38878

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700943844H1

<400> 38878

ctaagatata tctgatatat atagtttctg tgtctgatcc cgtttttaaat tcgggttaag 60
attgaaagcg tgagaatgcc ggtgaagaag tattactgcg attactgca caagctattc 120
caagacacac cagcagatcg gaaacgacac gttcagggca ttcaacacca ccaagccaaa 180
gctcgctggg attttgccgc tacggcgact cttgcaaata tctccatccc gttcccaaca 240
acaatgtcca gcag 254

<210> 38879

<211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943845H1

<400> 38879

aagagaaatg ttgagtgaga gcaagctgag ggatcttctg catggttctg agtatgttct 60
 cacttatgaa gataaagatg gagattggat gcttgtaggg gatgtgccat gggaaatgtt 120
 cattgagact tgcaaaaggc tgaaaattat gaagggttct gatgccattg gtttagctcc 180
 cagggccatg gaaaagtcta aaagcaggat ttagggatc ctggatttcc tcttttgtct 240
 aatcaagtgt ttattgt 257

<210> 38880
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943848H1

<400> 38880

cagctcgaga cgcttatggg ggatacctag gcacccagag acgaggaagg gcgtagtaag 60
 cgacgaaatg cttcggggag ttgaaaataa gcgtagatcc ggggattccc gatataggtc 120
 aacctttcga actgctgctg aatccacggg caggcaagag acaacctggg gaactgaaac 180
 atcttagtag ccagaggaaa agaaagcaaa agcgattccc gtagtagcgg cgagcgaaat 240
 gggagcagcc taaacgtgaa aacgggggt 269

<210> 38881
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943849H1

<400> 38881

ccgttcttcg tgttctccat tccctctctc actccttcat ctacgtaatt tccttccttc 60
 ctttctttct ttctttcttt ctttatcttc tcatttttct caatacaatt ttgttctttc 120
 tgtctcaagt tttgctactt ttctcttctt aaccatagtt cacatattat atcatcacat 180

atcatagtga tatcatatca caatgtgtgg catacttgct gtgcttggtt gctctgattc 240
 atctcaagcc acaaggggcc gcgtcc 266

<210> 38882
 <211> 106
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943850H1

<400> 38882

agccattgtc attgtttggg aaaacatgtt ctgtgttttg gtgctactag atgatttttc 60
 atctattgag aataagaata tatatttttg ccaaaaagca gaaaaa 106

<210> 38883
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943851H1

<400> 38883

ctcaactgcg cggtgagtga gtgagagacg gaaagtgcaa agccaccgtc ttctcttctc 60
 agagcttggc tttgcttata gattctctct cctctcatct ttctcattca aggtttgtat 120
 aagatggccg atgctgagga tattcaaccc cttgtttgtg acaatggaac tggaatggtc 180
 aaggctggat ttgctggtga tgatgctccc agggctgtct ttcccagtat tgttggccga 240
 cctcgacaca ctggtgttat gg 262

<210> 38884
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943852H1

<400> 38884

aacacacaca tttctagtcc tcaaacccta aactagaaga gaaaaagaga aagtgcaaca 60
 tcataacatc aaattcgtat gtgcttttgc ttaccctaaa atctccatcc ctacaaaaag 120
 aagaataaaa acaagaagaa gtttaacatg tcagctgccg tggccgcttc cgctgccgcc 180

gctaccatg

189

<210> 38885
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700943854H1

<400> 38885

gaaatcttgt tctctctaca tcattgaggc tatttattct atctgagttc gtcatatata 60
aaagctgtag gcctgtagtt gttcattttg tgcctaattg tgacttgaca attagctata 120
agactgtttt gttgtagaac attttgaata tagctcgaag atttcattat ttggaggtat 180
gcagcagcgg atagaatgtc aaaactcaaa ttcttaagca ttcttcotta ttgtagcatc 240
aggggttttt ttctcgagcc g 261

<210> 38886
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700943856H1

<400> 38886

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agaaaggaaa aggcaagaaa gatgtcgggg caaacgcagc gtctgaacgt ggtccccacc 120
gtgacgatgc tgggagtggc caaggcgcgt ctatgcggcg ccacgcgcgg tcacgcgctc 180
ctgaagaaga agagcgacgc gctcacggcg cagttccgcc agatcctgaa gaagatcgtg 240
tccacgaaag aatctatggg cga 263

<210> 38887
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700943857H1

<400> 38887

cgcaaataca ataactcc atcttccaaa acaaagactt cgcgtccaag caatttctga 60

gtgataacaa aacaaaacaa atattatcaa aaggggcaaa ctttgaaacc agaatacagat 120
 tttattttttt attttttttgc tcgaatctga atagatcaga aggtgatgtc gtgttcgtcg 180
 tcatctgggt cggaggaaga cgatgagggg ttcgactctt accggaaagg aggctaccac 240
 gccgtcagag tcgccgatc 259

<210> 38888
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943858H1

<400> 38888
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 tgctattgac atgggcaatc catttctcaa tctcactgtt gatggtttcc ttaagatcgg 120
 agctgtcgca gccacgggat cagctgctga agatacttat catattatcc aaaaggggaa 180
 tatctcaagt catgatttcg agaaaacgtt gaagaagatg tgcaaagaag gtgtatattg 240
 gggaactata gctggcggtt 259

<210> 38889
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943859H1

<400> 38889
 caaccccggt gtccggagcc accattttgc gtcocggcaa tggtcttccc ggtggccatc 60
 gtcccttaaa cccaccacac ttcaaagtca tgggtattcc atgggacgac gtcgttgtga 120
 tccagcaagg gaaggatcac aatgagccct gcacgtcac cgtcaattgc cccgacaagg 180
 ctggtctcgg ctgtgatctt tgcagaatca tctcgagtt cgggtctccgc attacccgtg 240
 ctgatatttc cac 253

<210> 38890
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943860H1

<400> 38890

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 atatctgata aatgcactca acatacaagg aactgtttgg atagagtga tgcgtgcact 120
 tctgtacttt ttttgatgca caaggatgct aaattgcaac cgattatgtc tttattcaag 180
 gaagatattg ataacgtcat acataaagtt ttttctttaa agacatcagg gcggatcagt 240
 acgacaattg aag 253

<210> 38891

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700943827H1

<400> 38891

gcggctgtct ttgttgaagc attcaaaagt gcgaggtgcg tattgtctag gggttttctc 60
 aaatggcaat gatccaacta ctcttttagg aggcattggt gttcgtaaca ctcttgtaat 120
 gtatgatcgt gagcattcaa aaattggttt ctggaaaact aattgttctg agttatggga 180
 aagactacat gtctcaaag cccaccacc cttgatgcct cctaaatctg aaggaacaaa 240
 tttaacaaaa gcatttaagc cc 262

<210> 38892

<211> 152

<212> DNA

<213> Glycine max

<223> Clone ID: 700943861H1

<400> 38892

tgagaatggt ctttatattc aggtgggtga tcctgttgca gatcacaagt gttgggaaaa 60
 accagaagcc atgactgagg aacgtccact cttacaagtg aatgcatctt gtccaggatc 120
 agacattgca gctgaaactg cagcagccat gg 152

<210> 38893

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700943789H1

<400> 38893

agcagggttca tacgcagggg ctcattgcagg atcaggatca tacggtggta atggaaagta 60
 attaattaaa tgcattgccag ttaaaccata tcaattatat gcatgctgtc ctgtggagaa 120
 aagaacaagt cgggtgtcttt gttagttcac tagaattata ctttagtaag taagcaaaaa 180
 taagttgatg catgtgttgt gtccatcctg ttctttttct tttgtaca 228

<210> 38894

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700943790H1

<400> 38894

caccatacca atcaaccaac cttgttgctt cttgtgatca ctctgaacc acactaatgg 60
 atattgatga gtgggagttt ctctctgatg atggctacct tgatttcaat gaagaggggtg 120
 ggaagcaaaa gcaaaagcag aattcctttg gaaaattgga ctccgagggc atctttgaca 180
 tggactactt ttgtcatca ccaccaccac caaggggtgag aactcaa 227

<210> 38895

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700943791H1

<400> 38895

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 gataaacatg atgctatcac ctaaaccctt tggagttcag cctaccacag tgaaagaaat 120
 accaagcaag gtgttacaag aatttccttc agcggcaaat ggaactggtc ataaccatac 180
 atcaggagct tctatcagtg gcagtgcacc ggctgctaag gcacaggtt 229

<210> 38896

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700943792H1

<400> 38896

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 ttcaatcgat tccaaagtct aaaactgtga acgttcttta ttgtgaactc tctgataacc 120
 gaagaaaagg acatggcctc aagaacagtt gcaaaagaca taatcactct tcgcgggttc 180
 gctgcaattg ttagcgagtt cttcgatat gctgctaac 219

<210> 38897

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700943793H1

<400> 38897

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 aaagtaacct ccctcatgga agagctctca gcggggcctc tcgtccccgc cgtcgtcaaa 120
 cctgaaccgt ccaaaggcgc ctccgccgct gcctccggcg gcaagtcctc ggctccacg 180
 tcggagccgg accaggactt cctctgtccg atttgcattg agatcatca 229

<210> 38898

<211> 228

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700943794H1

<400> 38898

gccttgccgc ggaaaactcc tgggggtctct aatggcctct gcaacattga ctcttctatc 60
 ggctctagtg tctctcagct tgccaacaca aatcttagct gataactact tgtactcatc 120
 acctccacca cccaccaagt acccaccggt gtctcctcca taccactatc cttccccacc 180
 tccaccacca caatattaac atnaatctcc ancaccacct tctccttt 228

<210> 38899

<211> 232

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943795H1

<400> 38899

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 cgcagagatt ccggagtgga tccgcgtctt caaagatggc accgtggaac gccacttga 120
 ttttccgatt gtgccacca ctctcaacac tggactctca tccaaagaca tcaccatctc 180
 acaccacctt ccaaaaccaa tttctgcacg catttacctt ccaaacaatca cc 232

<210> 38900
 <211> 223
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943796H1

<400> 38900

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 ttcccttctg agcatgagag gtttatctac acaatcagaa caattcaagg atcccttatt 120
 gtttcttctt tcgtcaatat cttccttggg tttagtaaga cgtggggaaa tttgacaagg 180
 ttgttttagtc ccataatcat ggctcacttt ggtatgtgtg gcg 223

<210> 38901
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943801H1

<400> 38901

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 caaagaagggt ttttggttgg gctgctcggg actcatctgg gcttctctcc ccattcaact 120
 tctccagaag agaaacgggg gagaaagatt tggatttcaa agtgcaatac tgtggaatat 180
 gccactcaga tctacatatg ttaaagaacg agtggggcaa cacaacctat cctctggttc 240
 ctgggcacga gattgctggt gtggtaacag a 271

<210> 38902
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700943802H1

<400> 38902

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catgttcacc acctctgccg agcgggaaat tggtcgtgac atgaaggaga agcttgctta 120
tggtgccttg gattatgagc aagaacttga gactgcaaag agcagttctt cagttgagaa 180
aaactacgag ctctctgatg ggcaagttat caccattgga gctgagagat tccgttgccc 240
tgaagttctt ttccagcctt ctatgattgg a 271

<210> 38903
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943803H1

<400> 38903

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ttgtgtgtgt gaagggtgtg gagccaaaag cctcaccac ttgtacattt ccggcagttt 120
acaacttttg ggactcaaac tcagacactg gaggcataac agcttcattt gtgccaattc 180
ctgcacctta tggcgagggc ttctttcaca agccttcttg aagggactgt gatggccgtc 240
tcattgtaga tttcatagct gagaagct 268

<210> 38904
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943805H1

<400> 38904

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tggatctgaa aatcaccacc aatgagcaat agggactatc tggatttgcc aagccaatag 120
gatgcactat ctggattctc tggattttgt ggtgctgtag ggaagatttc ttttctccc 180

ataattgggtg ccttaatgtc acactgagat ggtctatttt cattactttt ccatcaatgt 240
ctattttttt tgtcttctct ttgttagt 268

<210> 38905
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700943806H1

<400> 38905

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gtccctcatc ttatcctgca cccactccct tataaccccc cctacttcac cacttcacaa 120
tcaatcttct ttatccactc tctctctctc tcttaaaatt aaaactaagc atgtgctctg 180
ccatatccca agtggaacaa gaagagttgc tcgaa 215

<210> 38906
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700943807H1

<400> 38906

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atgcaaatac taaaagcttg gttgatagca atctccagga tggcaacttc atttctgcca 120
agggaaagaa agttgtgggc attggtgggg gtgacacggg cacagattgc atagggacat 180
ccattcggca tgggtgtagt agcattgtaa atctggaact tctccctcag ccaccacaaa 240
ctagagcccc aggcaac 257

<210> 38907
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700943809H1

<400> 38907

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tttaagacct gctgggcatg ctatcattcg agagtcggtt tatattgtgg atgccattgc 120
 tactattggc aagggtatga gatgggtatg tcgcaaagaa aacaccgagt atggagttga 180
 caaagagaag attctgatat gccagaaaaa gctatggcac tcatccaaca atggttcaag 240
 atgacaaact ctggaacctg tgcagtgggt 269

<210> 38908
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943812H1
 <400> 38908

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 tttttcttca aatcttatgc acaatttatt atggacataa agacaagagt gaacttcctc 120
 cctaccctct gtaccacgc aggcaagaag aacattacac catctaaggg gtgcagagaa 180
 attcgaagct ttgattcaag accacctggc cagggagcaa acagcaactg cactaagcta 240
 tatacattca tggagcagaa taca 264

<210> 38909
 <211> 190
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943815H1
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 ttttctgaat ctgcggtgt tgttagttct gcggcggttg tagttccggc ggcgatggga 120
 cagcaatcgt tgatctacag ctctgctgct cgcggcaccg tgatcctagc ggagtacacc 180
 gagttcaccg 190

<210> 38910
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943817H1

<400> 38910
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 ttctgaatga aaacaatgct tcttcattctg aagacaagtc actagatttg tcatttagag 180
 aggatggaag aagtggtagc tttatgattg ggaatgaaca attcccagct tctctattgg 240
 atcttccttg cgttgttgaa 260

<210> 38911
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943818H1

<400> 38911
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 aacagaaaag acaagaatga tgatgagtct agtgagagag ggcgtggggc tggcatggga 120
 ggattgttg caggggggtg tgctgctgct gccgctgcct atggtgctca ccatatggct 180
 catggatatt atcggttttg acacggagcc tactatggtc atggaaagtt caagcatggg 240
 aaatatggca agcggttgaa gcatggc 267

<210> 38912
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943820H1

<400> 38912
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 gttacaaaact caaacagtgg aaagaaatga gctggtgagt gaaattgctt tgttgaagaa 120
 ggaagcagaa aggtcacttg atgagctaaa taggatgaag aatctcaagg atgaaaaaga 180
 gatggcaggt agagtgttgc agtcagagtt agaagcactt agagctcaat acaatgactt 240
 gaaaagttct cttattg 257

<210> 38913
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943821H1

<400> 38913

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 gatggactat gcaagatgga acttcatggc caggaaacaa ctcacgtgat caccctggca 120
 tgattcaggt tttccttgga cacagtgggt cccatgacat agagggaaat gaacttccca 180
 ggttggtgta tgtttctaga gagaaaaggc caggctacca acaccacaaa aaggctgggtg 240
 ctgaaaatgc actggtgagg gtg 263

<210> 38914
 <211> 167
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943822H1

<400> 38914

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 agcgggaattc tcgattttga acctaaagca aagggtttta ctcaaaagt ttactggatt 120
 tcgtgttttt gttttttctt ttgatttttt gcattgagta gaccgaa 167

<210> 38915
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943823H1

<400> 38915

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 gcactgcctg aaaaccatgg tgaggacttt tgagacacat tgtggatcct tgtctcaata 120
 cgggatgaga cacatgaggt cctttgcaaa catctgcaat gtagggataa agaataaaca 180
 aatggctgag gcttcagcac aagcttgtgt cagtattcct tccaatccct ggagttctct 240
 gcaaaggggt ttcagtgcac aataa 265

09531413.032200

<210> 38916
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943824H1

<400> 38916

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cctcacttcc ttttccaacc gaaccttttc tccgataatc agagagagat aataatggat 120
tggggaaacg taaccgcgga ggatctgatc gacgcgctcc gtgaggtgga ttggtcgtcg 180
ccgccgcgcc ctctgtcgga attcttctcg cgattcacgc ttcccaggtc ttctccaaa 240
tggaacagcc gcctcaaatt caatctct 268

<210> 38917
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700943826H1

<400> 38917

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tcatcatctc cttttccttg ttctggtggc gctcttgatt ttcagatgac aacagcaatt 120
gggtgaaacg tgaacgccac caccgatcgg ggtttgccaa aaccttaca tggaggtcga 180
aaggatgaga cagttgatgc tgatgtggtg tagaatacga agcaaccgtg tcgctcttgt 240
gggtggaacc ataccgctgc ca 262

<210> 38918
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700943787H1

<400> 38918

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ggcgcgagtt gactcgcgag tgcctcatca acatcctctc tcgactcagc gtcgaggatc 120

gatggcgcg caccatgctc gtttgcaagt catcgttcag cgtcttcaag gaaccctact 180
 cttcacttcg tcttcaacct cgacctcaa ttcgactcgc ccaccgaatc aact 234

<210> 38919
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943751H1

<400> 38919

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 atggcgagga tcaaggttta cgagctgagg cagaagacga aggctgatct gctgaatcaa 120
 ctgaaggacc tgaaggcgga gcttgcccttg cttcgtgttg ctaaggtcac cgggtggtgcc 180
 cctaacaagc tttccaagat aaaggtggtg aggttgaaca tgcccaggtt ttgacggtg 239

<210> 38920
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943753H1

<400> 38920

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 ccgccgctct tctcgcactt caacctcaac gtctctcccg gatcccgctg cctcctcgtc 120
 ggtgccaatg gatccggaaa gacgactttg ctgaagattc tggcggggaa gcacatggtt 180
 ggaggaagag acgttgtgcg cgtcttgagt ggttccgctt ttcacgacac tcagctcgtt 240

<210> 38921
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943754H1

<400> 38921

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 cagtgccggt cctgttcatg aagatatgtt tcattggcaa gctacaatta tgggtcctcc 120

agacagtccc tatgctggag gtgttttcct agtgactatt catttccctc cagattatcc 180

ctttaagcca cccaagggtg cattcaggac gaagggtgtc cacccaaata taaatagca 239

<210> 38922
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700943755H1

<400> 38922

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gaaatttttg cctttgtggg catactacaa atttaattct tttagtttct agttttaaga 180

atttttttca cagaaaaatg gagttcgaag tattttcgga aaattagata tgatcat 237

<210> 38923
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700943756H1

<400> 38923

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ttccctctc cgctcgagccc tctccgattc gaatcgttcc cagcctcgca ccaccatgaa 180

tcccgaatac gattatttgt tcaagctttt gctgattgga gattctggtg taggca 236

<210> 38924
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: 700943757H1

<400> 38924

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cgtgcatttc catgggttt 79

<210> 38925
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943758H1

<400> 38925

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 tacaaaaaaa tcaccatttt ttctcattgt taatcaagtt aagataagat cattcctctc 120
 tatcaacaaa cctttattgt gtatatatat atatattccc acaattcaca tcactcttgt 180
 ccttcactca ttactctat atatccactt catataattt cctcc 225

<210> 38926
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943759H1

<400> 38926

ggcccaactt agagaggtga cggtgaagga agagaatgct gcgttcgaaa atgcaatatc 60
 agattgtgag aataaaaataa aggagaaatt gcaggaggct gatttactga gggaaaagtt 120
 gaaggagatg gatgaaactg agaagaaact gaaagctgag gtggagaata tgaagcagcc 180
 aagttgggta tctgatgggt aggaggaaga gaagaaggca cattctaaa 229

<210> 38927
 <211> 232
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<223> Clone ID: 700943761H1

<400> 38927

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 attcagaaga gccacaatca ccagcaccaa gtcccaatgc gaatgctgca caatcatact 120
 ataggcaagg gaatatgtgg ccaactattg gactcactgc cattttgtta tctgttatcg 180
 cttgacacgt gcaacatgat tcaacttaag cagtgggttg gtttgcaaaa ca 232

<210> 38928
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943762H1

<400> 38928

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 tgataatggg tttaaaaaac tcttagaata gagtgaactc aacttcaaaa gttaactcaa 180
 aaaaaaaaaa aaaaaaaaaa aaaggaaaca cgatta 216

<210> 38929
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943765H1

<400> 38929

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 tcttctcttt ctctttcgat ccattccctca ttctaatcc tccaatccaa ccacctcagc 180
 ctcacactca catatacaca tatctgaacg cgtatcgtcc ctctatggc ttcaaagcgc 240
 atcttc 246

<210> 38930
 <211> 173
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943766H1

<400> 38930

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 aaaatgcaag gtcgtttgtc ttcttggcta gtcaaactg gactaattca tagatcattg 120
 ggtttcgatt accaaggaat cgagacttta caaataaagc ccgaggattg gca 173

<210> 38931
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943767H1

<400> 38931

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 aagaagatga tctatcggaa gtggagtctc cttaccggcc cggtcaccat cctcggcggc 120
 gtagtcgtcg ccacgcgccg cgccaacgtt atcttcgtca agaatgatcc attcctcaaa 180
 ccagaggaga ggaactatga gaatcagcct gctaccaagt 220

<210> 38932
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943769H1

<400> 38932

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 aattgagcca tcttatcccc ttaagaatgg tccaaatcca cctaattctg gaccatcacc 120
 cccttcacct gtgaagccac caaatgtctg tgacaactac tacagctgtg ctgatagtgc 180
 taacttgtac ctgtatttgc gagttcggaa atgcttgctt tgcttggggg t 231

<210> 38933
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943770H1

<400> 38933

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 cttcaagcca ccaccaatgg ccaacaacga gatgcaagtt gagagggggt tggacttgga 120
 aaggtacatg gggcgttggg atgagatagc ctctttccct tcaaggaacc agccaagga 180
 tggcgtgaac accagagcca catacactct taggaatgat ggcactgtgc aagtgtc 238

<210> 38934
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 <212> DNA
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<223> Clone ID: 700943771H1

<400> 38934

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 tttagaaacc gagtttatcg gatgatgtag acatgttgag attcaaattg attaataattt 180
 ttaggacaaa tatcacgata atcctttcct tgccaacaaa ggctttgaag tttcta 236

<210> 38935
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 <212> DNA
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<223> Clone ID: 700943772H1

<400> 38935

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 tatggattcc aacccaacat catgatgggc ctatccgaat atcaaaaaac aaacatcaga 120
 tatggagatt ctacagccaac taatacagca agatgggaaa ctaccagcgt catcttggag 180
 agccagtatt ctgctccatc caacatagct cgaccctttc taaacctaaa tgaca 235

<210> 38936
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943773H1

<400> 38936

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 ataacgctga aaaaaaaaaa aatgaattgg cttaataacg ttattcccaa caatcggatt 120
 ttcggcgaga cataatcaaa ggatctatac gtgctcaaag gcgtaaaaca gttacttgga 180
 aattttttca aaaaagggtg cattcccccc tttttttgga taaaattgaa a 231

<210> 38937
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<223> Clone ID: 700943774H1

<400> 38937

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 tccgcgagtc tcgatttctt tctctgcaag cggattggtc gcttgtgaag gaggaacatg 180
 tattcaagag ggagcggcgg ttacggccaa tcgtacactg gtcaatccgt 230

<210> 38938
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943775H1

<400> 38938

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 atttggatgt tgcagattca gctagtttac cctatggctg gagtagatat gcacagttta 120
 gcttggcagt tgttaatcaa atccataata aatactctgt gagaaaagac acacagcacc 180
 aattcaatgc gcgggaaagt gattgggggtt tcacatcttt catgccgctt 230

<210> 38939
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943777H1

<400> 38939

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 cctccttgct agaagtttagc atggcccaag aaactttctt attcacatct gaatcagtga 120
 acgaggggca ccctgacaag ctctgtgacc agatctccga tgctgtgatc gatgcatgct 180
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[illegible]

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<212>	DNA
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<400> 38941

<210>	38942
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<212>	DNA
<213>	Glycine max

<400> 38942

15547

gc

242

<210> 38943
<211> 239
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<223> Clone ID: 700943783H1

<400> 38943

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tagtaggatt gtgtcttctt tcatacact aaacaagtca caagaagagc atcactgaac 120
taacaaagca accctatgtc gaagggtggt tctgtcacgc gagccagcgg cgccatcgga 180
tcatgggtgg tctactcct cctccagcgt ggttacaccg tccatgccac cgtccaaga 239

<210> 38944
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943785H1

<400> 38944

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aatgttatcc ccaacggaca cttccgtaag cactggcaga actatgtgaa gacctgggtc 120
aatcagccag cacggaagac aagaagacgg ttggctcgtc agaagaacgc tgtgaagatt 180
ttccccagac ctagagctgg aactcttaga cccagtgtac atggtcaaac tttga 235

<210> 38945
<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: 700943750H1

<400> 38945

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tgctttcaca catattacaa aagacgttct ctggttttct ttctccctct atttcttcac 120
ttcctatctc atcactagca accccaacaa cacaccaacc tctgcagaca catcccatgt 180

ctcaaactcc gaatccaacg ttgtctctcc tacccttgt

219

<210> 38946

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700943786H1

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gcctccttga tctctagctc taatattgga aaagttgttg ttcaagttaa tacggcctag 120

taatgtgctt gatcttgatc tcaacaatag atcagcacca gatattgaac tctcttccat 180

atgtctgtcc ggattgtaaa ctctgtct 207

<210> 38947

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700943722H1

<400> 38947

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ttcaccaatc accattacca taacttgatc ttctctctcg acataacgga cggcttctta 180

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<210> 38948

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700943724H1

<400> 38948

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ccaacttttg cacagttccc agcaaaaaga tcaaaacaat gcagacagtt gagatcaaag 120

tcaaaatgga ctgtgatggc tgtgaacgaa aagtcagaaa tgcagtggct acaatcaaag 180

gagtgaatc tgtggagata aacagaaagc taagcagggt gacagtgaat ggttgcgttg 240

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<223> Clone ID: 700943725H1

<400> 38949

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tcttcttctt cttctcttca attcttctcc aatcccaacc gcaccctctt cegtcccttt 180

cttcacactt cttcaaacc acttccttcg tctttctctt tccgaacaga tcacactat 239

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<223> Clone ID: 700943726H1

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aagaatatga agcaaactct cttcttctcc ttccttctac tcaccaccat tttctcaatc 120

accactttag ctcagtcacc agctgcagcc cctaaagccc cagcaaaacc tgcccctgcc 180

acaccggctc cagcgccggc aaaaccttta gtcccttcat taccacagtc a 231

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 <213> Glycine max

<223> Clone ID: 700943727H1

<400> 38951

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tcggcggcgc gttagaaggc cggatcggtg tggagctctt ctccgacgtc gttcccaaaa 180

ctgccgagtc cttccgcgct ctctgcaccg gcgaaaaggg catcgggtccc a 231

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<223> Clone ID: 700943728H1

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 actcccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc 180
 gatgatcacc ctatgcaaat tgaagaaaca cagtaccgga aaaccttctt ctataaa 237

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 <213> Glycine max

<223> Clone ID: 700943729H1

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 cgagttcacc ccagccactc gccttcctgt tccgccgatt cacaaccgcc atcgctcaa 180
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<223> Clone ID: 700943730H1

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 aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180

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aatcgatgct caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctat 238

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<212> DNA
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<223> Clone ID: 700943731H1

<400> 38955

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caaggtctat atcacggtgc aattgggtga ttcaaaaaat gccaaagtgg atcttacacc 180
agatggtatt ttaccttct ctggtagtgc tggtagtgaa gaccatcagt atgagctaaa 240
ac 242

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<211> 244
<212> DNA
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<223> Clone ID: 700943732H1

<400> 38956

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gcatcgagct catcgctcc gagaacttca ccgccttcgc agtcacgag gccctcggca 180
gcgccctcac caacaaatac tccgagggca tagctggcag acgatactac ggcggcaacg 240
aatt 244

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<211> 217
<212> DNA
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<223> Clone ID: 700943733H1

<400> 38957

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<400> 38963

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 atatgagaac aaggcccatc aaaatgggcc aggccagttt gggagcaggc cgcgccacc 180
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<210> 38964

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943740H1

<400> 38964

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 ttatcttccc aaaccactg gggtggccta gtggtgggaa acttgggata gaatacatga 180
 gatcataggt tccaaggcgt acacccaaaa aaaaatgtta tcttcccaca ttccttt 237

<210> 38965

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943741H1

<400> 38965

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 gggagaagc tgtgttatgt ccaatttcca caaagatttg atggtattga tcgccacgat 180
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<210> 38966

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700943742H1

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 acttgtccct tagacggcat aaccaacctc cagaaaaagt aaacagaggc atgatattgg 180
 cacctctagt agggattctc ttaaatttat tggatgctac aaattcagca 230

<210> 38967
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943743H1

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 tctctacca gctaaattcc ctgctacagt tttggcactt gtccatgact tcaccagatt 180
 ttgggaagct tgcaaatacag atatctgaac aagagaaaga taagttgttc actg 234

<210> 38968
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943744H1

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 cttgcatttc ctctagacct ggtcaatgtg gcagagctga tggctacatt ctggaaggta 180
 aggagttgga gttttacatg aaaaaactcc agaagaagaa gggaaagggt gctgc 235

<210> 38969
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<223> Clone ID: 700943745H1

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ccataactcta taatagagtg tgagcctaag cgtgaagtca ttttaccatc tgtaatctac 120
atacaaaaga ttttgcggcg aaggccattt ctcataaga accttgaaaa tggtatgcgg 180
aaattccttc agtccttgga actttccgag gaaaatgaga ggaaaaagtt ggcaa 235

<210> 38970
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700943747H1

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gccctcactt tctagatttt ctgtcaagcg tccgtacttc ctttcccaaa cttatccgcg 180
cattgctgtg aacaagccct ccataaacct gttgaacaga ctcggggttg gcagcgca 238

<210> 38971
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700943748H1

<400> 38971
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ggaggcaagg gtttgggtaa gggaggagcc aagaggcaca ggaaggtgct ccgcgataac 120
atccagggaa tcacaaaacc cgccattcgc cgtttggctc gcagaggcgg cgtcaagaga 180
atcagtggcc tcatctatga agaaaccgc ggcgtcctta agatcttcct cgagaacgt 239

<210> 38972
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700943749H1

<400> 38972

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gtttgagaag gaagctgctg agatgaacaa gaggtctttc aagtatgcct ggggtgctgga 120
caaacttaag gctgagcgtg aaagaggaat caccattgat attgctttgt ggaagtttga 180
aacaacaaag tattattgca cagttattga tgcgcctgga catagggatt tcattaa 237

<210> 38973
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700943721H1

<400> 38973
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tccagggttag gttctggctg tttgacacct gacagtgtg ggccaatcaa tcaaaacaac 120
atctctgtgc aaaaccagat atctaaggaa gcaactcttg cagatacgga caatggacat 180
tcaagtaatg caacattgat tgatcacaga gtttcatttg aattaaccgg ggaagatgtt 240
g 241

<210> 38974
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700943689H1

<400> 38974
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tcctgctaca gaggcattgtg tgccttcaat taaggaagtt attgctaatt ggataagtgt 120
gaatgtgacg ctgatattct ctcttgcaag atatgaagct gtaatagatg cttacttgga 180
tggtcttgag gcatctgggt taaatgacct ctctagagtt acaagtgttg cctctcactt 240
tgtcagtaga gtggacactc tcatt 265

<210> 38975
<211> 264

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943691H1

<400> 38975

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 ttgccactca aatacttctg gaatgaatca tcaaagtctt catcaactta tgggcgttga 120
 tcttggaact aaccctgttt gccatttcct tggaagcaag gccattttat ggggtacccaa 180
 tttatctgtg gacactgcct atcagaccaa cattgttgct taattagtcc atgcatcttg 240
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<210> 38976
 <211> 262
 <212> DNA
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<223> Clone ID: 700943693H1

<400> 38976

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 tatagtgtctt ggaataaaac aagtgaagat attcagtcaa ggtgctctgc agatgggtgat 180
 cctgcacatt ttgattatgg aattttcggg caagtcttgc cttctggcat catttcatct 240
 aagaagttca tctccaaata ct 262

<210> 38977
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<223> Clone ID: 700943694H1

<400> 38977

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 tattaacgag agacctatta ttctttctct ttccaaccct acgtcacagt cagaatgcac 180
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263

<210> 38978

<211> 262

<212> DNA

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<400> 38978

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accctaaggt cttcttcgac atgaccatcg gcgggtcaacc tgccggccgc atcgtgatgg 120

agctctacgc cgacgtgact ccgagcaccg ccgagaactt ccgcgcgctc tgcaccggcg 180

agaagggcgc cgggcggagc ggcaagcccc tccactacaa aggctcgtcc ttccaccgcg 240

tgatcccgaa cttcatgtgc ca 262

<210> 38979

<211> 260

<212> DNA

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tggatctggt tcaccatatg cttatggtgt attggacagc gggtagcgat atgacctgtc 180

agttgaggaa gctgctgaac ttgctcgacg agcaatttat cacgcaacat ttcgtgatgg 240

ggccagtggg ggagttgcta 260

<210> 38980

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700943701H1

<400> 38980

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tagccgaagt ggtaggttta ggtccaagat ggtgaagctt gtttctaaga aatttcgtgg 180
gtctaagaca gagttaaagg gtgaggtgaa taaacactat gaggggtga 228

<210> 38981
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700943702H1

<400> 38981

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aggctgatga gaagaagaac acagaagaag ttgttgagac tccaacacca acaccagaaa 180
atgtcgtcac tgagcaaaca agggaggaaa gtactgaggc cccacaatga agattcaaaa 240
aaaacacccg ggg 253

<210> 38982
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700943703H1

<400> 38982

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ggctcagaaa catctccatg actgtgtgtt cagagttgtg atgcttcact gttg 114

<210> 38983
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943705H1

<400> 38983

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gagggaaaca aagaaaatgc cgatcctgct gagattaaga caccagaagc tgcagaagat 120

gttaatatatta aggaagagaa agaagctgag gctgaggctg aagctaagga ggaagaggcc 180
 ccggcagaga aaaaggagga gaaggttgag acagaagggt cagctgaaaa gaaagaggag 240
 gaagtg 246

<210> 38984
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<223> Clone ID: 700943706H1

<400> 38984

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 cacccttaga ataaagtggc catttcttgc ccttgagcaa gttcaagtgt tttggacttg 180
 tgatgggtgt gttaagggtca tggttgcctt ttttttatat atatatatat atataaatgt 240
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<210> 38985
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 <212> DNA
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<223> Clone ID: 700943707H1

<400> 38985

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 gaaggaggct gctgagatga acaagaggc attcaagtat gcctgggtgc ttgacaagct 180
 caaggctgag cgcgaaagag gaattaccat tgatattgct ttgtggaagt ttgaaaccac 240
 caa 243

<210> 38986
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 <212> DNA
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<223> Clone ID: 700943708H1

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 aaggtgactt ttctggtaaa aatctctccc agatgtcaaa tgttgccaac tcgacaaaata 180
 ttatgtggca tgactgtcca attcagaaac aagatagaca gcagctgctt cagcaaaaag 240
 gct 243

<210> 38987
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943709H1

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 ccagctccaa ggggcacccc tcaaattgaa gtgaccttcg aagttgatgc caacggcatt 180
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 ga 242

<210> 38988
 <211> 239
 <212> DNA
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<223> Clone ID: 700943710H1

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 agaaagtggg gttattttgct ccaactgtctt gtttcacatt tttagggttt tagtatatat 180
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<210> 38989
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<212> DNA
 <213> Glycine max

<223> Clone ID: 700943711H1

<400> 38989

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 aagagcctgc agagttggaa tatgtgaagc agcatggggt ttctgtgttt ctcatgccat 120
 ccgggatgct tggaactctg ctttctctga ttgatgtttt gcctttgttc tcgaacactg 180
 gttggggtca gaaagccaac ctggattttc tgaagaaaca catgggagct acatttga 238

<210> 38990
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943712H1

<400> 38990

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 cagcccttg gcgacggtgg atcccgagat ccatgacctc atcgagaagg agaagcgccg 180
 tcaatgccgc ggaatcgagc tcctgcctc cgagaacttc acctccttcg ccgtcctc 238

<210> 38991
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943713H1

<400> 38991

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 ttctgtcttt ttgaggtgc cacagtcctg tttgggcgtg gtggaccaag gaggagtgc 180
 aactccaaat attatgatat tctcggggtt tccaaaaatg ccagtgaaga tgaaatcaa 239

<210> 38992
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<212> DNA
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<223> Clone ID: 700943714H1

<400> 38992

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 atagatccga cggggaagta cgtcggaaac tcagatctgc aactcgagcg cgtgaacgtc 180
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<210> 38993
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943715H1

<400> 38993

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 aaaaggaag atttggggaa aatacgataa ttggtaacat tgacacaggt gtttggcctg 180
 aatcccaaag cttcagtgat aaaggatacg gtaccgtccc atcaaaatgg cgcgagggcc 240
 tttgtc 246

<210> 38994
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<223> Clone ID: 700943716H1

<400> 38994

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 aactagtgtt gttagaacac ccaattacag gactcttttg ttgatcatta tccttaagaa 180
 aatgattttt ttggcttgta acatttaatt gttactaatt cattaaatat catgatttaa 240
 aataac 246

<210> 38995
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943717H1

<400> 38995

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 aggtcggaaa tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc 180
 aaatgccaaag tgacaagaca gttggcggtg gtgatgatgc tttcaatact ttcttcagcg 240
 agactgggtgc tgg 253

<210> 38996
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943718H1

<400> 38996

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 aggcttgtca atgttatgct accagggtttt agaagggatc aattgaaggt tcaagtgact 180
 tcaaagttca ccctaaggct aatgg 205

<210> 38997
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943719H1

<400> 38997

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 acaaggaccc ggtggcgatg ctggagatga gggagcacat cgtgagagag aagtggatcc 180

aaatcgagaa ggccaagatc attagggaga agctccgctg gtgctaccgc atcgaaggcg 240

tcaacca 247

<210> 38998

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700943687H1

<400> 38998

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caaagaatca gccctcgctt ttccaagtcc caacccttaa gatgaaggta agattccttg 120

ctttgttcct actcatttca ggcattcaag ccatatcaac ctcagaaggt aaaggcctaa 180

tccagagcaa tggacaagca caagaacttc ttgggaagtt atatggaagc atagaagagt 240

caataagggt gaacgacaaa gttgagg 267

<210> 38999

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700943720H1

<400> 38999

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cgaagctcca gcagcgccgg tctgtctcg tccaccaaga agccgaagcg tttcgagatc 120

aagaagtgga atgcggtttc cctctgggct tgggatattg tcgtggataa ttgcgctatt 180

tgtcggaccc atatcatgga tctctgtatt gagtgccagg ccagccaggc taacgccac 239

<210> 39000

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943655H1

<400> 39000

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aaaaaaattc tccttttttc attttccac gtggttggtt gtgcaacaag ttaagcaacg 120
 tgaaatgcag cagcaggccc ttggtatata taaccagcat ttgagcaaaa gttagaacag 180
 gaagcttttt ggtaacatta actaagcaca aagcattatc attactacta taagcttata 240
 gttgaaatct ttgagcatag aaaaaagatg 270

<210> 39001
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943656H1

<400> 39001
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 ggatgcatcc agttatcctg aaaaagttcc tgcagctgat aaagccggtt ctaggtgaca 120
 atgaggaaca ttcagagcca agttagtggg aaaattgtca ttgttgaaga gagaagagag 180
 taatagaggc atcctatatc tttctcttct aggagagaat tatgagtaaa gtgtgggttg 240
 tttgattccc aggaaagcat gtaagcaggt c 271

<210> 39002
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943657H1

<400> 39002
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 ttattggagc atttataccg gcaactatga ttgccgtgct ttactacttt gatcatagtg 180
 ttgcatcaca acttgcccag cagaaggagt tcaatctaag aaaaccctca tcttatcatt 240
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<210> 39003
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943658H1

<400> 39003

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 tcgtgctcac attgttcttc tgctgtgaag aaaggagggg agagtctgat gggtgagggg 180
 aatgggaatg tgggtgggaa gaaggagggg ggatcaagga ctgtggtgac gcttgttggc 240
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<210> 39004

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943659H1

<400> 39004

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 ggaggaaatt ttgcagcttt cagcagattc cttttcagtg gcatcttctg atagtaacac 180
 aagctgtagt gaagttgatt gcagtgaatt tgagtcatca gtgcctaaag ttgataattt 240
 cccgtgcaaa tattatatga atggaa 266

<210> 39005

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700943661H1

<400> 39005

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 tatgtaccat ggagggacca actttgaccg aacttctggt ggacctttca ttgctacaag 180
 ttatgattat gatgcaccaa ttgatgagta tgggaattatt agacagccta agtggggcca 240
 cgtcatagaa gttcataagg ccataaa 267

<210> 39006
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943662H1

<400> 39006

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cagagatggc tccctctgtt ctatgttcct tctctggtgg tcttgcgctt tgccgtcaaa 120
gatattcccc ctgcctccgg agccaaaatt ggcctcattt tagttggagg atggctggct 180
acattttgtg ttgctgggta cgcggctatc gcagttagaa aagctgtgaa aacgggattg 240
gtagaagctg aggctatggg aaagcct 267

<210> 39007
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700943664H1

<400> 39007

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tctgcacgat ccagcgctcg cgctgtatca tttgtcactt atacagagta acagattgac 120
attggttaaa ctcagggtg tccccacgct cctctcgatg gtgcccgccta ggaatatggc 180
ctgcccgttg atgctgatgc tctgcaacct cgccgagtgc ttcgtcgcgc gcacttcgat 240
gctggacg 248

<210> 39008
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943666H1

<400> 39008

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atgcttggtt tcgatgcagc tcagtttgac gggatcctta aaaagatttc tgagttcaat 120

<400> 39014
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 tgtttgaagg atgtgaatgt tggtgtcata cccgccggtg ttccaaggaa gcttggcatg 180
 actcgtgacg accttttcaa catcaatgct ggcattgtca gggacttggg ttctgctggt 240
 gcggattact gccctgatgc ttttgt 266

<210> 39015
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 <212> DNA
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 <223> Clone ID: 700943674H1

<400> 39015
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 ggctgcaaga tgtaccacaga cttgagctac actgagtcaa ccaccaccga gaccttggtc 180
 atgggagtggt cacctgttaa ggctcaattt gaggggtgctg aaatgggtgt gcccgctgag 240
 aacgatggct gcaaatgtgg 260

<210> 39016
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943677H1

<400> 39016
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 ggctcaatgc cagagtcaag tgtgatttgt ccgaaaatct cactttttaa gccaatgctc 180
 agtcacaaa tgagccgcat atgtctcatg cgatgatcaa ctttgattac aagggaag 240
 actatagaac ccaatttcaa cttgg 265

<210> 39017
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943678H1

<400> 39017

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 agatgcatat tcccttgaga attctttcca agaaaggaaa acttcaaggc ccaaaggctg 120
 cccgatttca atgggtactg tttctagcgt tattgcggaa ggatatgga gacctgccc 180
 atcaacaaaa tgggcctttt gcttcagaaa aaccactaag gttggatgca aaatcactac 240

<210> 39018
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943679H1

<400> 39018

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 aactatgctg aatacagtgg tgcacccaaa gaagaggagg tcttgagta cgccagagtt 120
 gtaattgatt gtgcaactgc aaacctgat gaccagaaga gagctcttgt gataggagga 180
 ggcatagcca actttactga tggtgctgcc acatttagtg gtataattcg ggcatgaag 240
 gagaaggagt caaaattgaa ag 262

<210> 39019
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943680H1

<400> 39019

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 gataattgtc cattgggtgg aag 83

<210> 39020
 <211> 261

<212> DNA
<213> Glycine max

<223> Clone ID: 700943681H1

<400> 39020

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acaccatcga caacgtcaag gccaaagatcc aagacaagga aggaatcccc ccggaccagc 120
aacgtctcat tttcgccgga aagcaacttg aggacgggcyg tacccttgct gagtacaaca 180
ttcagaagga gtgtactctt cacatcgtaa tccgtctccg aggtggcatg caggtcatcg 240
gtaagacact caacggcaag a 261

<210> 39021
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943682H1

<400> 39021

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ttttcttcac tctccgagag cattttgtgc actactgggt tgaaaatgta tttggtggag 120
agcaaaggag gtgccataac atgcatgttc ttgggtcttt tcttcttggg gacatggcct 180
gctcttttga ctatgttaga aaggcgtggg cgtcttcttc agcataccta ccttgattac 240
tcaatcacca atttcttgte tgcttta 267

<210> 39022
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700943684H1

<400> 39022

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caacagcaca taaaaacaaa ccatgaaacc tttcgtggct gcggctgttt tgttggtgtt 120
gttggtgggtg gtgggtgggtg ttgatgccag gtttgtgggtg gagaagagca gtataactgt 180
tctgtccccg cataagctga aggcgaacgc gatggcgcca tcggtaactt cggcttccg 240

gactacggag gattcatcgt tggt

265

<210> 39023
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700943685H1

<400> 39023

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cggcggccac ctcacccacg gctactacac ctccggcgga aagaagatct ccgccacctc 120
catttacttc gagagtctcc cttacaaggt aaactccacc accgggtaca tcgactacga 180
ccgcttgga gaaaaagccc tagacttcag gccaaaactc ataatctgcg gtggcagcgc 240
gtaccctcgc gattgggact acaaacgttt 270

<210> 39024
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700943654H1

<400> 39024

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tgccgagggc ggtgctcatg gatctagagc cagggaccat ggacagcgtc agatctggtc 120
cctacggtca gattttccga cctgataact tcgtcttcgg ccagtccggc gccggaaaca 180
actgggcaa aggtcactac accgaaggcg ctgagttgat tgactctgtt ctcgatgttg 240
tcaggaagga ggcagaaaac tgtgactgc 269

<210> 39025
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700943620H1

<400> 39025

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caacattaac atctccgatt cgtataagaa gaatcgatt caggtctcta acaccaagaa 120
 gccctcttc ttctacgtta atctcgcaa gagatatatg caacagcatg atgaggtcga 180
 gctctcagct ctaggaatgg ctattgccac agtagtaact gttgctgaaa ttttgaaaaa 240
 caacggactt gctggtgaaa agaaaatcac gac 273

<210> 39026
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943621H1

<400> 39026

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 tacatgttca tctccaacca tagatgaaca acttacatgt gatgaccaca gtttgatccg 120
 cggttaatcc cactaataac ctgaaattca aaaccacgtc atcatccata aatcttcatt 180
 cttttctcac gagaacaatc aatcacccgc ataatttcca gtggcacgaa ataaacacta 240
 accagcatag gcttagacca cgaaaacaac gtcaca 276

<210> 39027
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943625H1

<400> 39027

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 ggaggacaat agagagggaa agaaaaagaa aaaaaataaa ggtttttagtt gtatagggtc 120
 tttaatacct aactgttggc acttcgaatt tttagcagaa gatgacttgt tagatttatt 180
 aattggaaaa tgagttacac atattatgtg tagaatctag atcatgtaga acaagttgca 240
 gtggtcttgt ttaatgacac ggagagcagt a 271

<210> 39028
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943628H1

<400> 39028

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 catccataca accaaaatag aactgcagat ggagtgccaa ttcttgacaga ggaagaccct 120
 ctagaggatg aaggatccaa ctatccacaa ggccttggtc tggtcctcgc ggggtacagat 180
 gatgatagtg ttgtttagg gtcacacatt aggggtagca gattgcgagc ttcggctgct 240
 ggggatgagg aggtggatct acttctaccc g 271

<210> 39029

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700943629H1

<400> 39029

cggaattca gatttctatg cataaaagag agggaggaga ggagagaaag aaagggggaa 60
 gaggagagca caacaagggg gggggccccc aggttgccgc gccgccggcg ggtttta 117

<210> 39030

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 700943630H1

<400> 39030

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 gagagcaaaa catagtattg tcatttacat ctttttgtga gtatcaacaa atggcaacca 120
 ctgtgatgac cactgctccc ccaattcagt ggtgcttaga cccaattct cagctggccc 180
 tgtgaagaac ttggttgctg tgcaacccat gagtcgcaag gggaagggtg cattgggagc 240
 tcgatgtgac tacattggtt catccactaa tctgagtatg gtgg 284

<210> 39031

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700943631H1

<400> 39031

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catccaaacc cgaatggctc aatacgaga agagctttgg gaattactga agaaggataa 120
cacttttgtg tacatgtgtg gactaaaagg aatggaaaag ggaattgatg acattatggg 180
gtcattggct gccaaagatg gcattgattg gactgagtac aagaggcaat tgaagaaagc 240
agagccatgg aatgt 255

<210> 39032

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700943633H1

<400> 39032

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atgatgataa agtggtttca caaatTTTga tgataagaat ggtgcagaag tttttaatga 120
tgaatatgaa gactccaaca taatctatcc tagttcttgg ctacagaacc tgctgaatg 180
gtcaaacaaa aagcttgaat catcggataa gaaagatgac tatgcatctg agagtaccat 240
tctgacaagg aatccgactg caaggcgt 268

<210> 39033

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700943634H1

<400> 39033

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ttgtgaaact ttggcttTca tcaacggtga tgatgggttg aaaatcaacg gtgctcttct 180
aatgtccctg atggaagagc catcaccaag tgatgagagt gatgatgatc gattggatag 240
cttgattagg tcctttgagg ctgaaattag t 271

<210> 39034
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943635H1

<400> 39034

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 cacttagcgg ctgcagcagc gatgggaaga gcacgccaca ttgctagaag agaaggccag 180
 agaaacaggt catcagctca aggtcgccca cattttttgg ttttttcaac taatcctaata 240
 tcacctccca tggctcctgc ttcttctct c 271

<210> 39035
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943636H1

<400> 39035

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 caatgggtcc agtagcagca gcattctcag attcaatcaa gccaaagagat gtttgcatcg 180
 ttggtgttgc acgtacacca atgggtggat ttcttggtac cctgtcatct ctatctgcc 240
 ccaagctagg ctctatagct attggagct 269

<210> 39036
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943638H1

<400> 39036

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 gaacaaaacc aaaaccaaac aactgaagct ggaaggcacc aagaggttgg tcacaagagc 120

cttctccaga gtgatgctct ttaccagtat attctggaga caagtgtcta cccaagagaa 180
 cctgaatcca tgaaagaact gagagagttg acagcaaaac acccatggaa catcatgaca 240
 acctctgcag acgaagggca gttcttgaac atg 273

<210> 39037
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943640H1

<400> 39037

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 ccaccctgct catcttcaac cactgagtcc aacttccaac aaacaagtat ctgtgggttg 180
 ggatgcctat gaggcaatca aggatgcaca tggcatctgc gttatgactg actgggatga 240
 gttcaagtac cttgattacc aggaggttt 269

<210> 39038
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943641H1

<400> 39038

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 tgtggaggcc ttaaaagacc aaggtatatg taggtggaat catgctttaa gatcagctca 180
 acaccatctc aaaaaccatg ttggttcatt ctctcaggct aacaagcttt cttcttctgc 240
 tatgagctcc acaacactaa aacatgggaa g 271

<210> 39039
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943642H1

<400> 39039

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 catcgtctcc gaaaatgaac gacgcagatg tctcgaagca aatccagcag atgggtgcggt 120
 tcatccgcca ggaagctgag gaaaaggcca acgagatctc tgtctccgcc gaagaggaat 180
 tcaatatcga gaagctgcag ttggtcgaag ccgacaagaa gaagatcagg caagaatacg 240
 aacgcaaaga gcgccaagtt gaaattcgca 270

<210> 39040

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943643H1

<400> 39040

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 gcaaagatcg aaccaagcta ttatttgaca ttgtatgcaa tttgacagac atggaatatg 120
 ttgtattcca tgcaactatt aacactgatg gtgaccgagc ttacttggaa ttttatataa 180
 gacacaagga tgggactcca attagttcag aaccagaacg tcaacgtgta attcaatgct 240
 taaaagctgc tgtagagaga agggca 266

<210> 39041

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700943644H1

<400> 39041

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 taaccaaacc gacaccgtgg gatctgttcc gcgtctcaga ttttgctgca atgggcaaga 120
 aaaagttaga ttcaaagtcc gatcgcaa atcgaaaagaa ggtccaattt tattccaagg 180
 tgaaagatgc tgttacctcc ttgagtcccc aaaagtctat tactaagaaa aagaaaaaga 240
 gcaaacaaca aaggcggcag aagaaattga a 271

<210> 39042
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943645H1

<400> 39042

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 cttgcaacca aggctgcacg taagtctgca ccaacaactg gtggtgtgaa gaagcctcat 180
 cgttatcgcc ctggaactgt tgctcttcgt gagattagga aataccagaa gagcactgag 240
 ctccctaatca ggaagcttcc tttccagag 269

<210> 39043
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943646H1

<400> 39043

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 acagcatcta gctagttaat tcacaaactt gagttggatt ttggtgatct tgtgaattga 120
 tctgcgatgt cggacgaggt agttctgttg gatacatggg ctagcatgta tggatatgagg 180
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 aacaggagtc ctttgctttt gcagat 266

<210> 39044
 <211> 114
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943647H1

<400> 39044

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<210> 39045
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943648H1

<400> 39045

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 gacgccgcgg tctcaggatc agtcgtcggc gagtagtggg cactcgtcac cgtcgtcgtc 120
 gtcacgcggc gcagcttttc aggctatgtc tgcagcgaag ttcggcagcg gcggggatag 180
 tatcatcagc gttgcttgaa aagacggaaa caagacaaaa attagtgtca ttaagttatt 240
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<210> 39046
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943649H1

<400> 39046

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 ttgcttgact gacttggcag tacaggacat cagaacagac tggggactat cagttgataa 180
 tgggtgaatat gtgcttcctt tcaagatgta taatcagagc cacatcaatg aggttagtta 240
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<210> 39047
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943652H1

<400> 39047

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 tcctcatcct cttagtggcg ctcttcccct cgtcgctctc cgagatccgc ttctccgaga 180

tccgaaacga cgatcgccgc atcatcccct tgcatacgtt tggagtcacc cacaagggtc 240
gccttgagct cagcgtttcc aaaatctcac tc 272

<210> 39048
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700943653H1

<400> 39048

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atttcttttt taactctttc ttaattgaaa ttctcagatt cttttgctct tcaatccata 180
ttgtaagtat gagtatttgt agatcatata ccaatactct atgttaaaac aacacctttt 240
tttctttttt ggg 253

<210> 39049
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700943617H1

<400> 39049

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gccaaatgag ctgtgaataa gaagggcgcc gccaccaaga ctaggaaacc cgccggaaag 180
gggaaggcag cgaaagatcc taacaagcca aagaggcctc caagtgtttt cttcgttttc 240
atggaggaat tcaggaaggt gttcaacaag ga 272

<210> 39050
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700943578H1

<400> 39050

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 gaggcaagtt ttgggaggtg atgtgtgatg aacatgggat tgatgccact gggaattacg 180
 taggtaactt tcatcttcaa cttgagaggg ttaacgtgta ctacaatgaa gcaagtgggg 240
 gacggtatgt tcctcgag 258

<210> 39051
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943580H1

<400> 39051

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 aaagagagga ctatatctgg agattcatac tatggctctc acgtgatgca gtatgggtgat 180
 gtagggctta gcagagatgt tctcttccat tatttgggta cagatcctgc taatgataat 240
 ttcacttttg tggatgaaaa 260

<210> 39052
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943581H1

<400> 39052

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 gcttctggca attgggtgat gaactccgtg ggcactcaaa agcatcggag gatcacaagt 120
 ggtaaatggt tgcctcgaac ctggccgaac agacaagatt gaagggggag cgtgtgaaca 180
 acctgatcg gcaaaggac ccattgaaac aagggtccagg gccaagggtt ggctccatga 240
 agagaacgga gttgattctc tt 262

<210> 39053
 <211> 261

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700943582H1
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 cccgcagagt tcacttccgg cggcgacact ctctccgttg accccgcgct caccctctcc 180
 gtcgccggaa acggcggtgg ctccgccatt ctacagagagg ccttcggccg atacagaggg 240
 atcgtgttca agaacaccgc t 261

<210> 39054
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943584H1
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 acaaaaattt gtctagttat tat 83

<210> 39055
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943585H1
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 gacaggaagc tctccaaaca ggacgtggct cggttcagat ccgcggtgag gaaggactac 180
 tacttccaga tgtactacga cgaccttctt atttggggct tcatagggaa ggttgacaag 240
 gaagggaagg ac 252

<210> 39056
 <211> 121

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943586H1

<400> 39056

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<210> 39057
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<223> Clone ID: 700943587H1

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 tggagatgaa gtttccagag tggttggtgg tggctctgta ccaggctcat tgactttaat 180
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<210> 39058
 <211> 255
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<223> Clone ID: 700943588H1

<400> 39058

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 tttgttcatg caagatccaa agaacgattc aaacacaagg aagccatggt accaaagagc 180
 aattgaggtg actagcctat ggaaaagtgt atcaaaatcc acagaaattc caacacctaa 240
 ttcttcaact ttatg 255

<210> 39059
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 <212> DNA
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<223> Clone ID: 700943589H1

<400> 39059

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 aaggggtttt gcctcagaac cagcctcttg tcgtcaaggc caagcttatt tccaagatcg 180
 ctgagaagaa gatcaaggag gccgggtggag ccgtcgttct caccgcttga ttttttaggg 240
 tatttttatt ttt 253

<210> 39060
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943591H1

<400> 39060

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 ggattggatt ggattgccct gaccttgaga ctcttagcat caaagaccaa accctaacaa 120
 ctgaaagtgt ggagaagatc attggctggg ctataagtta ccattttatg cattcatcta 180
 aagcttctat caaagattcc aagcttgtga tatctgcaga aagccttaat tatggaatta 240
 acattctaca gggc 254

<210> 39061
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943593H1

<400> 39061

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 tcatagcaact cttctcttcc tcacttatgc gaaactcaaa catggttctc gttctccttt 120
 tccttatggc aatcttctcc gccatgacca ctccgtcaac ctccgcgatc gacaccttca 180

agaaaactgca cagcagattc ttgttactgg aatcaagggtt gttgacctgc ttgcaccata 60
tcaaagagga ggaaagattg ggttgtttgg tgggtgctggg gtaggaaaaa ctgtgcttat 120
tatggaactt attaacaatg ttgcaaaagc tcatgggtggg ttctctgtgt ttcttggtgt 180
tggagaacga acccgagagg gtaatgactt gtacagagaa atgattgaga gtgggtgtcat 240
taagcttgat gataagcaga gtgaaagcaa gtgtg 275

<210> 39068
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700943608H1

<400> 39068

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ggatggaagc gacgcgatcc tgcagaaaac cttggactat gcttgtggag ctgggtgctga 180
ctgtaatcct ctccaccaa acgggccttg tttccagccc aacaccgtta gggcccactg 240
taactacgcc gtgaacagct acttccaaag gaa 273

<210> 39069
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700943609H1

<400> 39069

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tcggcaccgg cttagacttc ttaggcagtg cactcgatag agttactttt ttagcctcct 180
ccatctccat ccaacttatt agtgctacca aggctgatgg tgggaaagga aaagttggaa 240
aggctacaaa tttgagagga aagataacat tacca 275

<210> 39070
<211> 268

<212> DNA
<213> Glycine max

<223> Clone ID: 700943612H1

<400> 39070

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agctttgatt ttggtgccga gttctgagct gtggtggtgc tgaccccgaa aagttctcca 120
agtccatcat gagataaggc tgatatattg gagctggtgt caattagtag acaaatttgg 180
ttgctgactt tcgtattcgt gtgtcttcaa tagatggtat gtttaaataag aaagcatagt 240
tgacaatttc ttgaatgtgg ttgtttct 268

<210> 39071
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700943613H1

<400> 39071

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acaagcgtat gtggatgac aactactgag tgaaatcgaa ggtaaccacc tcaactcacgc 120
cgctatcatc ggccaagacg gaagcgtttg ggctcacagc tccaacttcc ctcagttcaa 180
acctgacgaa ataactgcca tcaataatga ctttaatgag cctggatcac ttgctccaac 240
tggattgtat atcgggtggca ccatatacat ggt 273

<210> 39072
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700943614H1

<400> 39072

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tattgtggga accggcacat ggaacgttat agtgcttgga ataaaacaag tgaagatatt 120
cagtcaaggt gctctgcaga tggatgcct gcacattttg attatggaat tttcgggcaa 180
gtcttgtctt ctggcatcat ttcattcaag aagttcatct ccagatact 229

<210> 39073
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943615H1

<400> 39073

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 ctccacgcgc gcttggcgga ggagattcgc tccgccgtga gatgcgccgg cggggagatc 120
 accatggcgg cgatggagaa catgccgtg atgaagtcgg tgggtgtacga ggcgttcgcg 180
 atcgacccgc cggtgccgtt gcagttcggg agggcgaaga gggacttgat catcgagagc 240
 cacgaccacg catttcaggt gaa 263

<210> 39074
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943616H1

<400> 39074

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 aacaggctga gaagcagatt gagatgtata gcaagcaagg attttcaggt cttccaatat 120
 gcatggctaa gactcagtat tctttctcag acaatgctgc agcaaacgga gtcceaagtg 180
 ggtttgtctt acccataagg gatgtaagag ctagtatagg cgctggaact attaatccag 240
 ttgttgatc ctgactcgag ccgctcgag 269

<210> 39075
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943576H1

<400> 39075

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 gggccactgc atcggcgagc tctccttcgg cgccgcctgt gcgcgcgtcc gcctccgccg 120

<400> 39078

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 aatcctcatg gaaagctggg actatttgaa agatgcagtc cttgaagggg gtattccatt 180
 taacaaagca tatggaatga cagcctttga taccatggaa cggatccaag ggttaacaag 240
 gttttcaaca aggggatggc tgat 264

<210> 39079

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700943551H1

<400> 39079

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 aaagaaccag catcagcaga agaagaagaa gaagataagc gagttcgagt tctgcaaagc 120
 gtgcaa 126

<210> 39080

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700943552H1

<400> 39080

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 tgttgatcaa gcccctcact tgctcaccaa gacatcggat ctgttggtgtg ctaccttaaa 180
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<210> 39081

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700943553H1

<400> 39081

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 acaatgtgag gatggttgct agagctcgac tgcgtggtaa tgatcttttt aagtcagaaa 180
 ggttcactga ggctgctcg gcatacgggg aaggtttgag gctcgaccct tcaaactctg 240
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<210> 39082

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943554H1

<400> 39082

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 tctctctctt ttctctgcag tttgatggat cgggaaggag gatccaacgc cggatcttgc 180
 tactactccg ttctcgggat tcgtagggat gcctccttct ctgatattcg cactgcctac 240
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<210> 39083

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700943555H1

<400> 39083

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 ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca ttttcgccgg 180
 aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg agagtactct 240
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<210> 39084
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943556H1

<400> 39084

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 agcaatgtct catagaatgc atgtagacaa cagtgtaaaa cttattggga agcttttatt 120
 tggatttgaa aaggggccag aagtactcaa cgctgttaga ccggcaggat cggcacttgt 180
 tgatgattgg tactgcctta aaaccatggg gaggactttt gagacacatt gtggatcctt 240
 gtctcagtat ggcattg 256

<210> 39085
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943557H1

<400> 39085

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 gattttgagt tgaaagttct tgaattttga tttctttgtc aaaagttagt gtctgaaatg 180
 cctaccagtg aaagctaatac tggatttctg tatatatattt taaattgaag cttacattag 240
 ggtgacacta gattttg 257

<210> 39086
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943558H1

<400> 39086

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 ctaacatgaa ggactcttgg tttttcgaca ataactttaa tgggtctgtca gatgagattt 180

gtgattttgt catcaacttt tttgatttcc cgatggaaga cgtgtctgct aatggtgtgg 240
aagaa 245

<210> 39087
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700943559H1

<400> 39087

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caattagggt tttttgttgc tctccttcaa actccatctt tccaaatcct ctctttgcga 180
ttgtgttttg atctgcttcc tactgcgata gtttctctac tgttacatgg ccatggcggt 240
ttccgcaatt ggttttg 257

<210> 39088
<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: 700943560H1

<400> 39088

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aacctat 127

<210> 39089
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700943561H1

<400> 39089

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ttctccaaca ttgtagaagg ttgagaagac attagtttgt gggcatgggt ttgtgttcga 120

gggatttgag ctttggatgc agattgaaga gggctaactg ttaaattccat aactcccatc 180
 aagggtttttg ctttgtgtgt ttgtggaaat agcataccct ttgagctgct ctgtctattt 240
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<210> 39090
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943562H1

<400> 39090

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 gtcggaaatg cttgctggga gctctactgc ctgagcacg gcatcgggcc cgatgggcaa 180
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<210> 39091
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943563H1

<400> 39091

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 acagaatctt gaaaaatgcc cttggaacat agatctaaat cactcgctac ttaatgaggt 180
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 tataagatta tactattctg tc 262

<210> 39092
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943564H1

<400> 39092

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 tcgaccccgga ttatggccaa cagtaaactc actcgaagaa tcatcaagga aacgcagcgt 120
 ttgctcagtg agccagcacc tggaattagt gcgtcccctt cggaagacaa tatgcggtat 180
 ttcaatgtga tgatccttgg cgcaactcag tcgccttatg aagggggagt tttcaagttg 240
 gaattatttt tgccagaaga aca 263

<210> 39093

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 700943565H1

<400> 39093

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 taaaattcat gatttggcgc atgatcttgc tgtatttgtt gcaaaagagg agtgcctact 120
 tgtaaagtcc cacattcaaa atattcctga gaatattcgg catctgtctt ttgctgagta 180
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<210> 39094

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700943567H1

<400> 39094

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 gccaaacact ccatttccaa gttcattgcg agatcttcta aagcctggcc ctgcaagtgt 180
 tgaaatcgat gatcaccta tgcaaattga agaaacacag taccgaaaa ctttcttcta 240
 taaagaagac ctt 253

<210> 39095

<211> 256

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700943569H1

 <400> 39095

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 ccgaagcccc tcaagttctc cagaacaatc agagcagcag ccgccgacga gaccacagag 180
 gcaccagcaa aagtagaggc tgcaccggtc gggttcaccc caccagaact tgacccaaac 240
 accccttccc cgatct 256

<210> 39096
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943570H1

 <400> 39096

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 ttttctggat ttaactcggg ggaagttcta gggtattatt gttctttctc cgtgcgcgag 180
 tcgttggttt ccgtaaaacc ttaggtttcg gattctaggg tttggtgaag gttttaggtt 240
 gagggaaaac gaatt 255

<210> 39097
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943571H1

 <400> 39097

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 acctccaac cgtccccac tctcttctc ttctctctac cttgcgtctg caaattccca 120
 ttttgccctc gccggaaagc gcaaggtcca catccccgac gagttggacg acgtgttcga 180
 cgacgaggag gacgacgcgt ggcgagaatg gggcaagaaa cccgaaccct ctttcctctc 240

ctccgatatc tccaag

256

<210> 39098
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700943572H1

<400> 39098

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acaattaaca tggttggtgt aattgttgga tggatggcgt gattgaagtt gggacattgg 120
tggtatagat ttgtgattta gataatgaat cacttaataa atttaaaagt aaattacata 180
atagtgttgt tatgttgga aacacaaaac aattctactt taattatgat tagaaagccc 240
aatcaatatt ctaa 254

<210> 39099
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700943573H1

<400> 39099

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ctccttcgct tatgaatctt cttcttcttc ttcttggttc tgcaacgcac tgaattcgat 120
caatcaatcc atcttcaatt gctttgtttc gatcggagga aaatggccga tcagttatcg 180
aaggagagg aattcgagaa aaaggctgag aagaagctca gcggttgggg cttgtttggc 240
tccaagtatg aag 253

<210> 39100
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700943546H1

<400> 39100

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ctacgtacgt gaggtgtag aagacacaac aatgaatttg gcaaaggggtg ttggcggaaa 120
 cattgacaaa tccaagtgc tgtccgctgt tgaaaagtac gagaagtatc atgcttctta 180
 tggaggtcag gaggaggaga ggaaagctaa ttatgttgat atggttaata aattctatga 240
 tcttgctact agcttttatg a 261

<210> 39101
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943574H1
 <400> 39101

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 tggggggagt tcttcgggta tggaatggc cagtgcggag gagaatgagt ttgtgggtcc 120
 tcttgggttt tctttgggtg tttatgcttg gagaagggtga gcattaattt ggggtgggttt 180
 tttttcattt tccccccctt tacagtaaaa ttttaggggg aaaaaagaat gaaattagat 240
 attggcatgt gta 253

<210> 39102
 <211> 101
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943575H1
 <400> 39102

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 catgattatt actctacgac aatgtcaata cgcagaagca g 101

<210> 39103
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943512H1
 <400> 39103

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tgagtcttaa ttccagtaaa tatttctctg gaccatatgg tgaagatgtc atttttgttg 120
 ccaatgattg gcacactgcc cttatcccct gctacttgaa aagtatgtac cagtcaaggg 180
 gcatctatac gaatgcccg gttgtttttt gtatccacaa cattgcttac caaggaagat 240
 ttgcattcgc cgacttctca 260

<210> 39104
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943513H1

<400> 39104

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 ttgctatatt gtcccttcag tttggctact cagggatgta tatcatcact atggtttctt 180
 tcaagcatgg catgagtcac tggatactct cagtgtaccg tcatgtagtt gctgctatta 240
 aaatagtcac ttttgcac 258

<210> 39105
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943514H1

<400> 39105

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 cattacatgt atgagactca atttagtttt aacaataata ttactagttt cattgattgt 120
 tgcattgaga gtttcacttt aggtgatatt gacaaattca atgatattta tttttatagt 180
 tacatttttt tgaagggcag aaattgtagt gaaagcgata attctagtag tagtataatt 240
 actagtagcg atgatacaaa tgatagtgat tccactct 278

<210> 39106
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943515H1

<400> 39106

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tcgatcgtcg ccacgtgcgc cgccgtgctc ctctggccc tctccgccac ccccgcgacg 120
gcgcgtccct gcaggagctt cataatctcc tctactcct tccgcaacct taactccaac 180
acgttcgcca ccacaccga gatccgatcc ttcacccctc tctacatcac cgacaaacct 240
ccctcctatg cccttttctt cccccag 267

<210> 39107

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700943516H1

<400> 39107

cgagaaactg aacagcttgt aattgtttga caaaaaaaaa gaaaaaaaa aaaaaaaaa 60
aagaaaaaaaa agagaggggg ggaccg 86

<210> 39108

<211> 110

<212> DNA

<213> Glycine max

<223> Clone ID: 700943517H1

<400> 39108

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cttgccatgg agagaaccgg gcaatgggtt ttctccccag aaatcccaac 110

<210> 39109

<211> 85

<212> DNA

<213> Glycine max

<223> Clone ID: 700943520H1

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85

<400> 39110

<400> 39111

<400> 39112

15607

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 tgcctcgaac aggaccaga cagcaagggt gcctgcgaaa catgcaccaa aaccaacttg 180
 gtcattgtct tcggagaaat caccaccaag gccaatgttg actacgagaa gatagtgcgt 240
 gacacctgca ggaacatcgg 260

<210> 39113
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943525H1

<400> 39113
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 acgaaaaacg atgggagctg aaactgaatc atcacaggaa aagccagcac aagagaggcc 120
 aaaggctgct ctctcacagg aacagttcct ctcatggaaa cgccacaagg acgctgcagt 180
 atcagccaga aaagtgaag tatccaggaa gcgtgctgaa gatattgcag caggaactgt 240
 ccaaataaat ggccgagaac t 261

<210> 39114
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943526H1

<400> 39114
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 ccccgacatt cctcttccca tttctattct cgaactctct tcacccttc gttcttcata 180
 acaagacatt tctcatcgga aacccaaacg gatgagattg ctagctccct ctctcagag 240
 cttctcaaag agccagactc gg 262

<210> 39115
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943527H1

<400> 39115

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 agcaacaatg ggtccagcgg caaagacgac gacgatgcgt tcgatctctc aagaagcggt 120
 cgaagaactg gtgaatgaga acatcgacga cctcggcatg gaccccaccg aggccctcca 180
 agacgcaatc caaacctca ctctccaagg cgtcgatctc tcaggcatcg tcacgtgcgt 240
 ccccgagaa accaaccctg tca 263

<210> 39116

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700943529H1

<400> 39116

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 ggtaagtgt atcggttcgg tggccttaac ttaagaataa taacaaaaca aacacagcct 120
 aataccaat cctcactcta ctttccccat ttatctgtca aacgcgcaca acaagaatca 180
 aaatccaagg gcgagcttta aaccatttca gggttttgtt cgttctggta cgagttttct 240
 tattttctgat catctgcctt a 261

<210> 39117

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700943530H1

<400> 39117

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 aatacttgggt gtatttcatt gtggcactga ctatattctt ctacatgatt ccaattacat 120
 ttatatctgc attaactact ttggataatt tggtgaaata tctccattc ataaagccaa 180
 ttgttaatat aaaggcattg aaaacagtgt tggaagctta cctccctcaa ctgcactga 240
 ttattttctt ggctttgttg c 261

<210> 39118
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943532H1

<400> 39118

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 atacaaaaat acatgcctaa tctaccacaa atcaaggcaa ttctccaagt ttactctcca 120
 gtcattgtcct tgcaccctga tgaagaattc ttccatctt ctgtggagtg gtttttctcc 180
 aatggagcac ttctatataa gaaaggacaa gagtcaaagc ctgtgtcaat atcaccaaat 240
 ggggctaacc ttctcagga tcctaaca 268

<210> 39119
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943533H1

<400> 39119

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 gagaaacgtg aaaataatag atgattttgt ccatggagta attaagacaa gaaaggcaca 120
 attggcactt cagc 134

<210> 39120
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943534H1

<400> 39120

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 tcggactttg cgaacagcta aacacctcaa agggaaagaa ggcatgaata gaggtgttct 120
 tcagagctca ccagtgaac gaatgatgac tggaaacct aactggtggc acatcaatgt 180
 caatagcatg gctccacaag ctctctctgt cttgtccact cctaacaact gtcctatccc 240

ttgtgct

247

<210> 39121
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943535H1

<400> 39121

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 ggtaacatgg agtcctatgt gtatatataa atactctcgg gctatatatg aatctacact 180
 ccatgttacc agtcatttca ttattgttgt gaatatagag gatgcttcat tttcattata 240
 aatcttgtat tgcatttaaa gatag 265

<210> 39122
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943537H1

<400> 39122

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 ggctaatagc aaagggttgct ctggataaga ataagccaag gatacaaacc gttgtgaaca 180
 agattgattc aattcaaaat gaggacagga ccatgcagct tgagggtttta gctggaaacc 240
 actctcttctg gactacagta 260

<210> 39123
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943540H1

<400> 39123

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ccaattgatg atgagcacta acaccaacac ccccaaacac gatggtctcg acgccatttt 120
 caaacataag cgcttacttc gaacgcaggt cagaaaaacc ctaaaatcca tccaaccctc 180
 cctccgatct caccaagata acaccgttca agacatagtt ttgggagctc cgtgggtcaa 240
 atccagtcgc aggctatgc 259

<210> 39124
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943541H1
 <400> 39124

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 cttatatcag ctatatctgt agatcctaac tttgtacccc catcagaggg tgggtactatc 180
 agcatatcca tagtattggg tgtgggttga gttgtggttg cttgagcaat tatcatcttg 240
 atatttggtg tattgtgg 258

<210> 39125
 <211> 95
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943542H1
 <400> 39125

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 gctaggcgcg tctccattgt gaacgcggat atgct 95

<210> 39126
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943543H1
 <400> 39126

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cattgcaactg aaccctaact catcactgca cttgcaaga cacagccaca atcacgcatc 120
 gctgaaactc gtcacacac tattagactc actagcaactg atctctctct cctcctccgc 180
 cgtgaacggtt ggtggctgac gacggcggtt cggttcatac gttgtattcc tggagtgatg 240
 ttgaatcatg tgagcaat 258

<210> 39127
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943544H1

<400> 39127

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 cctaaattgc atagacataa gttttaggct tactctataa tttaatgggc ctactctact 180
 ccaacctttt actttgcaca gaatttatac caatttgagt cgcaaacaatg gagtttcaat 240
 ctcttcgtta agagtgtga 259

<210> 39128
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943510H1

<400> 39128

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 aagactgaag ctgtcaatcc cacacttggt atgatgattt acatcatata aatgacaaag 120
 gattcacctc tgtctctctg ttttagcttg cagagtcaca gatagatagt gctttttctc 180
 atgccaaacat gttccgtgat gacctctatt agagttatgg gccctttata ttttgtttga 240
 attctagtta gaggacctca gt 262

<210> 39129
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943545H1

<400> 39129

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 ccatagagaa tttgcagttg gatgggtgag gtttgatgtg atcttgtaat tgtggctttt 180
 gagtggatcc attattacga tttactttca ataggagtgg tttagagagag aggtgtgtaa 240
 agattgttgt tcgcaggaaa 260

<210> 39130

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943472H1

<400> 39130

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 gagttcttcc tcaactgcagg caaattctgt ccagtttatg gatgaatatg tgcagacctc 180
 cagccgcaat ctccctgatg ctggtgaaag gcgctattgt agtgtgcaca atctacctac 240
 atctgca 247

<210> 39131

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700943473H1

<400> 39131

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 cgtggcgaag gagcttctga acggccagaa agtgggtggtc gttcgctgtg aagagatttg 120
 catctcgggc gggctggtga ggcagaagat gaaatactgt gaggtctcct gtcgcagaac 180
 gcatggaaca cgcaaagccc tatccatgtg ccccatacca cttaccgtgt cccctacca 240
 gagatacttc taggcgcacc gattcgt 267

[illegible]

<400> 39132

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<212>	DNA
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<400>	39133
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<210>	39134
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<213>	Glycine max

<400> 39134

15615

<210> 39135
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943479H1

<400> 39135

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 ctgcgttcca ttctggggcg tgtggagagc gagaaggaca cggaacggtt cgggctggtc 180
 tgcaagcgat ggctccggct gcagagcaca gaaaggaaga agctcgccgc acgtgcgggc 240
 cctcacatgc 250

<210> 39136
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943480H1

<400> 39136

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 atatcctacc tatattttct tctcttttct ttctctttca ctaggtgtat actagcaata 120
 tttgggtgtc aaaatatctt ttctcttttg caaattcctt gcttcttttg tactcactga 180
 ggggtatttc tatgcaggag ttgtggctcg ctagctacaa ttccaaaatc gaagagaaat 240
 tttagcattt ga 252

<210> 39137
 <211> 249
 <212> DNA
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<223> Clone ID: 700943482H1

<400> 39137

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 gaagcaaacc cagttgtacc atcgttgcga tctttctagc attttgttgt tttgtttctt 120

cttcgaaagc aaagcttgag agtctccaac atgcgccccaa agctgatggg tctctaagct 180
 tcttggtggt tggagactgg ggtagaaaag gtgcttataa ccaatctctt gtcgcttttc 240
 agatgggtg 249

<210> 39138
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943483H1
 <400> 39138

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 tccgtcttcg cggtggtatg caaatctttg tgaagactct tactgggaag accattactt 120
 tggaggtaga gagctctgac acaattgaca atgtgaaggc caagatccaa gacaaggagg 180
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 cgctggcag 249

<210> 39139
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943484H1
 <400> 39139

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 cagtgtggtc ctctgtattc ctgggcgcga tcttgatctt tttcctccgg tcgccggcgt 120
 cgctgcgggt tccggcggac ctctcccggc ggtctctgcg gacctacaac tggggcggac 180
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<210> 39140
 <211> 159
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943486H1
 <400> 39140

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 cgatgtgccg acgccggact ccaaaatata agtcgccgc 159

<210> 39141
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943487H1
 <400> 39141

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 ctcaccttat aaaacaaagt tccacttcat ccgattcatc taaaccacac cattcgcatc 120
 acaacacttg gttgtttgtt accatcttcc aaaaatatca tgctcctaac gtaaaagtcc 180
 tcggtttcgt cgttcaactg cgatctctaa acaaaaccat ggcatcactc tcaggcattt 240
 gctcctcttc c 251

<210> 39142
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943488H1
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 agccatggac agacgcacga acacctccag gccagtggca ttgtcttccc cttctatcac 120
 tgccaccacc accaccacca taacaatttt gaactctgag ccatcatcct cttcatccca 180
 gcaggaacaa cagcaaccag aagtcctctt cctcccactc aatcgcaaga agaagcaggt 240
 ttcttggaag ga 252

<210> 39143
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943490H1

<400> 39143

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 gtaccattga ggagtctggt gaacacattg ttgctggtgc aggagagctt catcttgaga 120
 tctgtttgaa ggacttgcag gatgatttca tgggtggagc tgagattatc aaatctgacc 180
 ctgttggtgc attcagggag actgttttgg agagatcatg ccgcaccgtg atgagcaaat 240
 cacccaacaa 250

<210> 39144

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700943492H1

<400> 39144

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 atggagcacg tcttgatga acatattgag aggaagaaag ggattaagga ttacgtggca 180
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 gagaggcat 249

<210> 39145

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700943494H1

<400> 39145

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 ctcaacttct ccaagcttgt tttctttgca gaaaaccact aggccaaaat cgtgacatct 180
 tcatgtacag agggaacaca ccattttgta gcaaagagtg cagacaggag caaatagaga 240
 ttgatgaggc a 251

<210> 39146
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943495H1

<400> 39146

ataatatatc atatgtgtag gttgttgttt tagagaatag agatagagaa tggccggctg 60
 gctggagaat cctgtccaga actcacatca catgagctgt tctttgtttt gtttattttt 120
 cagaataaat ggtttactat tatttc 146

<210> 39147
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943501H1

<400> 39147

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 tgctgggtcg gtgttcaagt ctcacactca ccaccgcaag ggtccggcga ggttccgcag 120
 cctcgacttc ggcgagcgca acggctacct caagggcgtc gtcaccgaca tcatccacga 180
 ccccggtcgc ggcgccctc tcgccaaggt ggcattccgc cacccttcc gctacaagaa 240
 gcaaacggag ctcttcgtcg ccgccgaggg cctcta 276

<210> 39148
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943502H1

<400> 39148

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 tagtctattc agatggcatt tctcatgatt cgggtcatga agctggaagt ggtcatcaca 180
 atattacaga gtcgtatgaa caaatcaatg agactattga acatcatagt tcagaggata 240
 gtgcaaagga atatgagtg aaggaatg 268

<210> 39149
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943503H1

<400> 39149

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 ctacaagtgc ggcgagtggc tccagtccga caagatctgg tcggggcgga tccgcgtcgt 180
 gtcccggcgc gaccgctgcg agattcgctt cgaggatccg agctccggtg agctcttcgc 240
 cgcttgcttc gtctaagccg gccagcg 267

<210> 39150
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943505H1

<400> 39150

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 catgtgcaa agccatttca gacgatgatt tgctaattgg acagtgggtg atggatgaat 180
 taagacagat ggtgtcagtt tctggcgatc cgtttcagcg gttgggagca tacatgttgg 240
 aaggacttgt tgcgcgattg gct 263

<210> 39151
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943506H1

<400> 39151

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 attagccttt caatatgggg gttctgcggc acacaataag atattttctg agagaagagg 120

tcaatggaag gcagcagccc aatcccagga atttattoga acactacagc gttattacaa 180
 caacacatat ttagatggtg ataagcaaaa agcaattaac ttactcttgg ggcattttca 240
 gcccacaacag ggaaaaccag cac 263

<210> 39152
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943507H1

<400> 39152

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 aaaaatgcaa gaattttattg ggctggagga caaccactgg gtggaaagga ggtcttacag 120
 ccattaatca atgaatttcc acatctttac agtaaagaag atcttgcttt gcatggagag 180
 ctggaacat ttgcaaataa agcttctcta atggctgccc atgattacat 230

<210> 39153
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943508H1

<400> 39153

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 caccctgat accaaagttc tgcaggctat gcaactgatg actgacaata gaatcaggca 180
 catccccgtg attgatgaaa aagggatgat tggcatggtg tccattggag atgtggttcg 240
 tgctgtggtg cgtg 254

<210> 39154
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943509H1

<400> 39154

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 tttctgcacc agagaagcag tctccagaac ccattctcga atccattccc ggcatacaact 120
 ccatcatcat cgaattcgaa gaaatccctg tccatcatgg gcccaccac cctcctagcc 180
 ctaatctccc tcatagtcata actcggcgctc ttctgcccct ggggtgggctt tccccagggc 240
 tcccccttca ctcccactcc c 261

<210> 39155
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943470H1

<400> 39155

cagtgttggc cgaaccatt gtgtgaagtt ggtgcaccgt ttgtaccag agattgatcc 60
 agctctgaac cctgaccag tccctcacat tctgaagaag tgccctgatg ccattccaga 120
 ccctaaggcg gtgcagtacg tgagaaacga ccgtggcact cccatgattc tagacaacaa 180
 ctactacaga gacatattag aaccaagggt tctcttgata gtggatcacc aactagccaa 240
 tgacaagagg 250

<210> 39156
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943440H1

<400> 39156

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 agcggatcct ttatgctatg aggccttggga atgccttatt gagaatcaca tgcttacatg 120
 tgaggaagaa gcaaatttga tctcatcatt gcaatttggc agtgaggatg gatggctctc 180
 ttcattttat tcttgtttga taaagaagta tgacaaagaa aatattgtag tagccaagtt 240
 cagagatcct gag 253

<210> 39157
 <211> 253

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943441H1

<400> 39157

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 aactgatcc tctttgttgg cccctctgta tgatcctaac tgtgaccctc cagccgtcat 120
 tccaattgat cttgacattg atgaggatct aggggaagag atgataaggg acatgatgtg 180
 gaaagaaatg cttcattacc atcctgaatc tgctatggag agtgcagggt tgtgctaattg 240
 atatttactt cct 253

<210> 39158
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943442H1

<400> 39158

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 aggtcatttt agactccacc acatgatcat gatcatatga tcaatcccct taattttttc 120
 ttttttcttg tcccttttct ttactctgta ttgtatcaat gcttgaaaat ggggttggtc 180
 caaaaatgtc atatatattt ggcttgctaa tgggtattgt aaatctctga acttgaagtg 240
 atgcacgggt tt 252

<210> 39159
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943443H1

<400> 39159

gttcacgtc ccactttctt ctcttttag ggtttcctt ttgtttctcc tttccagatc 60
 tgcacttcc atttttttagg attaagcggg gagattcgtg aatctgagaa atgtcggatt 120
 cttctcggga ggagaatgtt tacatggcga aattggcgga gcaggccgag cgttacgagg 180
 agatgggtga gttcatggag aaggtagcaa agactgtgga ggttgaggag ttgacgggtg 240

aggagac

247

<210> 39160
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943444H1

<400> 39160

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 attcgctcct ccaccgtcgc tctctcgaac aaccacaaca ccatcttcat cacatggcaa 120
 acgcagcatc tggataggca gtccatgatg actgcaagtt gaggtttttg gagctgaagg 180
 caaaaaggac acgcggtttc atagttttta agattgagga gcagcagaag cagggtca 237

<210> 39161
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943446H1

<400> 39161

caaaacactc ataacacaaa gcacaaagca aagctcatcc ttgagttaaa aaatggcagc 60
 agcttcttcc atggctctct catccccatc cttggctggc aaggccgtga agctgggccc 120
 atcagcccca gaagtgggaa gggtgagcat gaggaagacc gtcaccaagc aggtctcctc 180
 aggaagccca tggtagggcc cagaccgagt caagtacttg ggccattct ctggcgagcc 240
 cccgtcctac cta 253

<210> 39162
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943447H1

<400> 39162

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 tggagctgtt ggatttcaaa ataaccggct tgaaattcca gaagatgtca atccagtagt 120

agcacagata atacgtgatt gctggcaaac ggagccacac ttgcggccat cattctcaca 180
 actgatgtct cgtctttacc gtcttcaaaa tttgattgtc ccaaaaacgg gtgcaacaca 240
 ttaaaccaag ttgt 254

<210> 39163
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943448H1

<400> 39163

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 tgaaagggag tttctgaagt taatcaatcc atttctgatg cgcactgaag gtgtattaga 120
 tgagtatgat aagaatgatg gtgttaaaaa aagagtaagt gaacatgatg aattgggtga 180
 tgctactaac tctgcagcaa tagtaaata tgcagactca aacagtggaa cagaggatga 240
 cattcattct tcaact 256

<210> 39164
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943449H1

<400> 39164

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 aaactattat gattaaaaat aacccttaaa tatgtgtttg cttcctgtat atttacgttt 120
 tttttataa tttttgtctc tgcaagtgtt tttatttatt tttaatgctt gtaagtttgt 180
 atttttttta aaattttagt tatgataatt ttttattctc gtaagtttat gtgttttcaa 240
 ttttagtcct t 251

<210> 39165
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943451H1

<210> 39168
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943455H1

<400> 39168

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 ttctagggct ttctcatctt gtgtgcttga aagcagtccc agttacaaga actgaaaacc 120
 ttatgcaagg tcaagttcac cttactctgg tagaacaacc acaaggttat gcacggagag 180
 caaactgtgc actggtgatg gtaccaacca ttcaccggag aggactggaa tgtggaactc 240
 catcgatcta ttcccctatc ag 262

<210> 39169
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943456H1

<400> 39169

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 tttttttgtt gaggtgaaag tgaaatggtt ggcaaggata atctgagggc tgaggacttg 120
 aacttggtct ttaagaagct tatgatggtg gccgggagtg ggaacagtga cgaaaggggt 180
 gaacttgaag gttgggggtga tcaccgagtg gaaggatatt cctgtggagc ttctgatgca 240
 aattctgtcc cttg 254

<210> 39170
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943457H1

<400> 39170

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 attttgctta caacaagatt cagaccttga atattttgga gttgatatta atgccatagc 120
 agaatatgcc aagacatgca atgacattca acacttgcgt gctgagataa gggactttga 180

tgcatTTgat ctacggaggc ggcttccagc tgtagttagc aaattataca aggcaataaa 240
 ttccaatgga gg 252

<210> 39171
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943459H1

<400> 39171

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 taagcagaca tgtccacact tccctcctca acctttccaa actccaacct ctccctctct 120
 acctccttat cctcacaaaa actcccactt ttccacaccc ttttccccag acccctccct 180
 tttcctcatc tgcgaattca aaccccacca ccattccttc ccccgcttct ctgcaagtcc 240
 cccgagggca cgga 254

<210> 39172
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943461H1

<400> 39172

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 ccctgtgcct tcgccggacg ctggaaaagg gaaacccaag ggtggtggtg gcggcggcgt 120
 ttctgtgaac ctcgaggac tcaaagagaa gcaaggtttg tgcggttgct tgcagggtcaa 180
 aaatatcgca caagcccctc cgaagaccat ggagaagggtt gagaatgatt tgccatgggt 240
 gccgtcgteg tcg 253

<210> 39173
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943462H1

<400> 39173

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943465H1

<400> 39176

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 cgtcatggaa ttacttttga gcttgatgag aagatgggtt cagacgatga ggacagagaa 120
 ttgttgcagg aaatcataaa caattctaag ttaagtgaag gatatctcac ccttgctcgt 180
 gatattgagg tcatggagcc caagtccctt gaggatatat acaaggcaca cttgcttgat 240
 ggccgggcta g 251

<210> 39177
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943466H1

<400> 39177

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 acttgccaag aaactttctca gcttactgcc acatcattca tttggcaagt gcctaaataa 120
 tgttggtggt ctagacatgg ctctttctct ttatcctgaa tgtgccaatg acgccaacgt 180
 tacaccaaaa tgggtgggatc atttacattg cgccatgtct cactacaagt ttgttcttgc 240
 aattgaga 248

<210> 39178
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943468H1

<400> 39178

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 ggcaatgcca tgcgtacgat atgttccctc tccgaatgaa cactggctat ggtgcccgtg 120
 ctccggaggt gaaatgcgca agttggaggc ttgctgacga agcacacaac atctttggct 180
 ttgagcccat tcctgaagag tgcgttgaag caacaaagga atacatccat ggcgaacaat 240

atagatcaga

250

<210> 39179
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943439H1

<400> 39179

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 catctttctc tgatattgaa catgaattag gcttgggtga ggctaattgt tgcatgcaa 180
 ctgttcactg taaatccac gctacagcag aatggaggct ctttaccaga accttaacaa 240
 agatgaggaa gg 252

<210> 39180
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943469H1

<400> 39180

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 ccgggtcttg gttttctgaa agatgggagg tggcaaggac aagcatcatg atgaatctga 120
 caaaggaatt ttttcacacc ttgctcatgg ggtagctggt gcagcacatg gtggacatgg 180
 gtaccacct ggggcttacc caccaccacc tggggcatac cctccacaac aaggatatcc 240
 tccagctggg 250

<210> 39181
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943407H1

<400> 39181

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tttctctctg cgttcttctt caatgcaact ctattctggt cggtgacaca acatcactct 120
gaagaacgtc gcacgcacca cccttctctc tcttcaacaa ctcagctctc agaacagata 180
cagtttccac tgagtaaadc gcaatgcagg taactgagac gaggactggt caagttaagc 240
agctttcaga tct 253

<210> 39182
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700943408H1

<400> 39182

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gtagagtatc tattgcattt cctcttggt tagctcttct tgggtgccttg tcattgttct 120
tttgttgctt cttttgttgc tgcttgact gggaaaaact ccaacctttg tttccatttt 180
gtatggttat cgtcgatact cagcctcaga cacaagcaga cttcactccc cctcctcaca 240
agccaggctt tcct 254

<210> 39183
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700943409H1

<400> 39183

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aactgtgat cgctttaaaa atctgttgcc ttctgaagct aatgtgaaat gtgttccaga 120
tgctggttat tttgtcaatg tagaggatat ctcaggaaca catttcatcg aaaagttcta 180
cagtgaagtt gtttcaactc atggctcagc aaagaatttg ccttcactct gcacttcaaa 240
attcagccca gaacta 256

<210> 39184
<211> 251
<212> DNA
<213> Glycine max

002220.00000

<223> Clone ID: 700943410H1

<400> 39184

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gtgtttttctc tcacctgaaa atgtcttgct gcggtggtaa ctgtgggtgc ggaagcgct 120
gcaagtgcgg caacggctgc ggaggctgca agatgtaacc agacttgagc tacaccgagt 180
caaccaccac cgagaccttg gtcattggag tggcaccagt taaggctcaa ttcgagagtg 240
ctgaaatggg t 251

<210> 39185

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700943411H1

<400> 39185

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ccctgagtat gtccttaatg ttgatgcata caacaagtac agcaagttat accttagccc 120
tctgtttgca ttatctattg gatcaggttt tgcaagattt acggcaaccc tactcatgt 180
agcactcttt aatggaagag acatttggag acagagtaga tcagcaatga gtaacgcaaa 240
attggatatc ca 252

<210> 39186

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700943413H1

<400> 39186

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aaggaagggc aagataaaac ctgttcatgt tgttgatgtt cctgggcatt ctcggcttcg 120
acccaaactg gatgagtact tgcctcaagc agctgggata gtttttgtgg tagatgcttt 180
ggacttttta ccaaactgcc gtgctgcttc agagtacctt tatgatctat tgactaaagg 240
aagtgttggtg agg 253

09531413.032200

<210> 39187
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700943414H1

<400> 39187

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gagaaaaaaa aaaagagagt ccgttagtta atttcagttt atttattgta tattttttaa 120
aagaagagaa aaagcaatgg tgacagagga agaaatatct gaagcggttc agtctctgct 180
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<210> 39188
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<212> DNA
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<223> Clone ID: 700943415H1

<400> 39188

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gcaaccagtg aaaatgatgg atcagagaga aatgccaaagc aagaggattt tgagtccaat 180
gatggccatt atgttcaatt tgatgaaatg tcccaaaagg attttgagct agatgaaggt 240
gaccattata ttgaaat 257

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<212> DNA
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<223> Clone ID: 700943416H1

<400> 39189

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tgaagttggg ttgatcggca tttgcgattc ataaagtttg aatttttgaa actcctagtc 180
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 aaggtttggg tt 252

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 <213> Glycine max
 <223> Clone ID: 700943418H1
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 ttcttcccc tctctctttc aagctcaagg tcataagggc atatgctttg aacaaaacct 180
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943419H1
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 cttcaccatg gccagtttga accatggaat gagccgtttg gtgttcattg tgtatcgcaa 180
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 aaagatgaca tgg 253

<210> 39192
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 <223> Clone ID: 700943420H1

<400> 39192

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 caattgtgga cacagagggt ggacgcattg gcataggcat ctgttctgac attcgatttc 180
 cagaactagc tatgctatat gctgctagag gtgctcactt actctgctat cctggggcca 240
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<210> 39193

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700943421H1

<400> 39193

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 tcaccatgct cactcaaatt ccgagttagt tagttatctc tttccgccat ggaaggtaac 180
 aaggacgaag cattacgctg cgttcgcac gccgaagaag caatcgcgctc gggaaacaaa 240
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<210> 39194

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 700943422H1

<400> 39194

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<210> 39195

<211> 255

<212> DNA
 <213> Glycine max

<223> Clone ID: 700943423H1

<400> 39195

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 accaagccta accagcttgt ttgcaaggca cagagacaac aaacaccaca agaggatatt 180
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 ggctccaaag tccaa 255

<210> 39196
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943425H1

<400> 39196

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 caacgaagct cctcccaaac caatgacttt ggtcgacggc gcttcctact gaatttccta 180
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 aaatacaagt gccctt 256

<210> 39197
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 <212> DNA
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<223> Clone ID: 700943426H1

<400> 39197

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 ctttctcaa cccaacaga catcatcaga atcctcaaaa aagccggagg attcaccacc 180
 ctaatccgtc ttctcaccac tacacaagtc tcaacccaaa tcaacgcca acttctgaac 240

tcaaacaacg gattaac

257

<210> 39198
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<223> Clone ID: 700943427H1

<400> 39198

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 accttctctca accccaacag ccattcatcag catcctcaag acagccggag gattcaccac 180
 cctaattccgt ctgtctacga ctacaggagt ctcaaccacg atcaacgccc aacttctgca 240
 ctcaaacaac ggctt 255

<210> 39199
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943430H1

<400> 39199

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 tc 122

<210> 39200
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943431H1

<400> 39200

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 agctcgagga ggacgacggc gaggatctgg acttctctct gccgccgcgg caggtgatag 180

gccccgacga gaacgggata aagaaggtga tcgagtacaa gttcgacgag gacgggaaca 240
 aggtgaagat ca 252

<210> 39201
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943432H1

<400> 39201

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 cagcttgatg acgtgataga tcttgtgggc cccagaggca gtaataagct tgtctctcaa 180
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 gtagacaaaa cagctaata 259

<210> 39202
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 <212> DNA
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<223> Clone ID: 700943434H1

<400> 39202

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 ttccagaacc ccttctagac gatcaaaaac gaatcataca gctgttccaa acaaca 116

<210> 39203
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 <213> Glycine max

<223> Clone ID: 700943435H1

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 ctgaaaacac aaaacctaaa cgcacagcac tttgtagtta accaccctcc accgagccgt 120
 cgaaccaccc ccgtctgccg gcgtcgcacc tcgccaccga caaccagcgt cggcgcacca 180

ctgcaccaga gcagtaggcc gtcgcagtcg cacgcggcaa ccaccagcca ccaagtcttc 240
gtagcagatc tgtg 254

<210> 39204
<211> 253
<212> DNA
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<223> Clone ID: 700943436H1

<400> 39204

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caaggatgag taagcttcag agtgatgctc taagagaagc tatctcagga atcatggctg 120
attccaagga aaagaacagg aaatttgtgg agaccattga actccaaatt gggttgaaaa 180
attatgatcc ccagaaggac aagcgtttca gtggctctgt taagttgcct catattcctc 240
gccccaaagat gaa 253

<210> 39205
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700943406H1

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gatagctcgt gttcgtgaga tggatgtttt tcaatcaaca acaaatcaaa cattacaagc 180
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tgcagaaatg gaaag 255

<210> 39206
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<212> DNA
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<223> Clone ID: 700943437H1

<400> 39206

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 ggacttttga tgtctctctt ctcaccatcg aggagggtat tttcgagggtg aaggccactg 180
 ctggtgatac tcaattggga ggtgaagatt ttgataacag aatggtgaac cattttgttc 240
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<210> 39207
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 <212> DNA
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<223> Clone ID: 700943438H1

<400> 39207

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 ggttttcccg tagggtaccc ggagctgctg 150

<210> 39208
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<223> Clone ID: 700943355H1

<400> 39208

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 tcgctgataa gtgcggacat tgcttctctg cgacatggcg cacactagcg gccttgtggc 180
 ccgcaggaag tgaacagccc ctctgagtat tgcgacattg tgaccaccac gac 233

<210> 39209
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<223> Clone ID: 700943356H1

<400> 39209

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 tccaagcgga ttctgaagga gctcaaggac ctacagaaag accctccaac ctcttgagct 180
 gccggtcccg tagcagaaga tatgtttcat tggcaagcaa ctataatggg tcccc 235

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 <212> DNA
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<223> Clone ID: 700943359H1

<400> 39210

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 cgagggacgg cgatttggtt gaggcgaaga tgcttctgga atgcaaccct tgtcttgcaa 180
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<210> 39211
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<223> Clone ID: 700943361H1

<400> 39211

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 cgccgcccgc gcgctttttg agccggaagg gttcggcacc accggaaca agacgatgca 180
 gatgatggag atcgccgcct tcttcggaca cgtcggcagc aagacctctt g 231

<210> 39212
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<223> Clone ID: 700943362H1

<400> 39212

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 gaatatatga cttatgctcc tttaggttcc ttaaattccg tgggtggcgt actacagaga 180
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<210> 39213
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<223> Clone ID: 700943366H1

<400> 39213

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 caatcaaaag acttacttct tcttctaaca acaataagat cacatctttc ccactcatga 180
 agagacttag cagctcagat tcttccagt ccctcatgac aatttgcca tcaacag 237

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<223> Clone ID: 700943368H1

<400> 39214

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 aggagaagaa acctaaggct ccgaaggaaa agaagccaaa acaggccaaa acagcttcac 180
 atcctccata ttttcagatg attaaggagg ctttgatcgc tttgaacgag aaag 234

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<223> Clone ID: 700943369H1

<400> 39215

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 ttggccatgg ttctgcaaaa ctagctcgcc aggcacagag taaggagaaa acgctggcaa 180
 aaatggaacg tgggtggactt gcagagaagg tggtcagaga caaagttttg gtat 234

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 <212> DNA
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<223> Clone ID: 700943370H1

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 tccaaactaa tctctgtcta tatgtatcaa cgagtatgtg cataagtcta agtctgcacc 180
 cgagatataa gaaagtgact gcttcagaag cggatggaaa attgcttgaa c 231

<210> 39217
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 <212> DNA
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<223> Clone ID: 700943371H1

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 aaaaagcttc aggaaatatg ggatgaggtt ggtgagagcg atgagcaacg ag 232

<210> 39218
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<223> Clone ID: 700943372H1

<400> 39218

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<223> Clone ID: 700943373H1

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<223> Clone ID: 700943375H1

<400> 39220

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<210> 39221
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<223> Clone ID: 700943376H1

<400> 39221

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 aatgacaagg atgacccatg attttgggga tactatgcag aaagatgcag tgccggtggt 180
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 <223> Clone ID: 700943380H1
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<223> Clone ID: 700943389H1

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 gcttgaagag aaggccactt caaaggggtg aagcggaaca gtcattgccg tcaaaaaagt 180
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<223> Clone ID: 700943390H1

<400> 39226

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<223> Clone ID: 700943391H1

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<223> Clone ID: 700943393H1

<400> 39228

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<223> Clone ID: 700943395H1

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<223> Clone ID: 700943401H1

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<400> 39233

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gatagctcgt gttcgtgaga tggatgtttt tcaatcaaca acaaatacaa cattacaagc 180
tgaattgaga gagcgcacag agcaatataa tcagctctgg atgggttttc agagacagtt 240
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<210> 39234

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700943404H1

<400> 39234

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cattcctaac cagcatcgaa ctgatgaaga gctaacgacg tatagtccgg tctacgttgc 120
atgaaaggtc gtttgccgga aaaaccagaa gtggtttggg aacaagaatc ttcgagagag 180
cattttattc tggccttggt agcaccgcat ggttattaga aacggattct taccgggcta 240
tatcgt 246

<210> 39235

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943312H1

<400> 39235

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attagtgtga aattattaat taattcttgg ctagacaaca acatggcctc cgccgcagcc 120
gcagacggac tcttcgggcc gatctacgag ggctgcatct ccgcctacga caacgacgtg 180
gagcgccgcc cctaccacaa gaactgcggc tgcgctctgc acagcaagtc gaggagg 237

<210> 39236
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943316H1

<400> 39236

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 ttggaaagat attctgtcat caaccgattt gccaaagttcc atggaagggg acaaaatgat 120
 ggggcagagg cctcatcatc ttctggtgca aataactaatg ctcaaaaatc gttcccccta 180
 aaatatgtta ctgcagttcc attgcctagg aatctccctg acaggggtaca atgtttttca 240
 c 241

<210> 39237
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943317H1

<400> 39237

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 tgatgagatt cttgagaaac aatgcctcaa gcagaagcag aggaaggtca agaaccacca 180
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 ccaaagtca 249

<210> 39238
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943318H1

<400> 39238

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 taatggttgc ctcgaaactg gccgaacaga caagattgaa gggggagcgt gtgaacaacc 180

ttgatctttc aaagggaccc attgaaacaa ggtcaaggga taaatttggg ttccaggaag 240
agaaca 246

<210> 39239
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700943319H1

<400> 39239

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atggctacca ccaccactcc tgctagatct tttctccaag tcgccgctac agaggaggcc 120
gcgccgcctc tcagagtcgt tcagattgaa ggactgggta ttctgaagat aattaagcat 180
tgtaaggacc actcgccctc tttagtcact ggacaacttc ttgggttgga tgttggcagt 240
gttc 244

<210> 39240
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700943320H1

<400> 39240

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attcttatcc tgctccaaag gctcacagca acaggacaac ctgagtgtcc agaaggggaa 120
gaagaagaag aaattgaagt caaagaaaag caaggcacat gagtgtccaa tttgcaacaa 180
gattttcagg tcaggccaag ccttgggggg tcacaaaagg tcccattttg ttggagggtt 239

<210> 39241
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943321H1

<400> 39241

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ttgcattgaa aatggaggga agagatgagg atgtaagagt aggagccaat aggtatggag 120

agaggcaacc aataggaaca gctgcacaga cacaagatgc caaagactac agagaggcac 180

caccagctcc attgtttgag cctagagagt taacatcatg gtctttctac agagcaggca 240

<210> 39242

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700943324H1

<400> 39242

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ctatctcttc tctcacccaa caaaaactca ttccttttaa gcacaataga agaagaagaa 120

caacaqcaac aacagcagca tatctcagat atcatcatgg ccgttgaagc gcgccatctc 180

aatctcttcc cttctcaact catcaccaac cggatatatat atcattaccc cttcctcttc 240

t 241

<210> 39243

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943325H1

<400> 39243

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gagcgagaaa cagagaaatg gacgattaca cgagggaaat gatggacctg aagacactgg 120

tcactcgac tctcgagaag aaaggcgtcc tcgccaggat ccgtgccgaa ctcagggcga 180

gtgtgttcga agccatcgaa gaggaagatc gtgtgattga gaaggaacaa ggtctac 237

<210> 39244

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700943326H1

<400> 39244

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 ttcaggaaat atgggatgag gttggtgaga gcgatgagca acgagacaag atgcttcttc 180
 agttagaaca ggagtgcctg gatgtgtaca agagaaaggt tgagcaggct gcaaag 236

<210> 39245
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943327H1

<400> 39245
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 gggagggcaa tgcgggaacc agatcggttc caagttctgg gaagtgggtg gcgacgagca 120
 cggcatagat ccgacgggga agtacgtcgg aaactcagat ctgcaactcg agcgcggtgaa 180
 cgtctactac aatgaagcct cgtgcggggc cttcgtgccg cgcgcggtgc tgatg 235

<210> 39246
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943330H1

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 gaccatcacc ctcgaggtcg agagcagcga caccatcgac aacgtcaagg ccaagatcca 120
 ggacaaggaa ggtatccctc ctgaccagca gaggttgatt tttgctggta agcagctgga 180
 agatggtcgc actcttgctg attataacat acaaaaggaa tcaacacttc acttgg 236

<210> 39247
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943332H1

<400> 39247

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catctctacc agtccccaat gttcaagaaa tggttaaggaa taaccctttg cagggttcttg 120
aaagatatgc gaggagtcaa gaagagttgg agaaagtcaa ccatatgcct cacctttcat 180
ctgagggtccc tgtcattgat ttagcactgc tttcaaatgg aaacaaagag gagttgttga 240

<210> 39248
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943333H1

<400> 39248

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cgaactcatc acgagcgcgga agctggtggc ggaggcggcg cagtcggctc tgaagagcga 120
cagcgtcaaa gtggacaagg ccaaggtggc tgacgctgcc ggcgatcttc tcgacgcggc 180
ggggaagtat ggaaaacttg atgacaaaca aggcataagg caatatgttg acaaggctgc 240
tgatta 246

<210> 39249
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700943334H1

<400> 39249

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atagaactgt tctagtgttg gtaatcctca ccttacgagg aatctgtgta acaaaatcat 120
atcgagaaat ttgttaaagg ggatgaaaga aagctgtgtt tgataaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaagggg gccccccgac aatggacca tgccccccgg gattttattcc 240
gggg 244

<210> 39250
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 700943337H1

<400> 39250

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ttgtgcaagg tcatgcaata atctcacaat c 91

<210> 39251

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700943338H1

<400> 39251

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atatgagcaa gtcaaaacga accaacagga agcttcctac tgcaagtttt gactcagtc 120

cagtgcagc acatcctgaa tttgaaaaac caaaacggaa catgaggaaa attccaagcc 180

aatcctcaga tcctcctgtg caggaaaatc cacaaagtga gcttgaaaag attaaa 236

<210> 39252

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700943340H1

<400> 39252

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agtgaagact ttggttctag cagcttcaga gagttgcaag gaaacaacaa caagggttgt 120

tctaaggatt tgagttcgat gaattcgcat aaggagtggt atggtggggg gttgccacct 180

cactatccaa ggcacgtgg ttcttcttcc tctgctgcta cttcgagttc tgctatg 237

<210> 39253

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700943341H1

<400> 39253

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 tcagctactt gctttcatgg tcttgattct tgtctgggtg tgtgaacttt ttactctcat 120
 tagtgtccga acaccaatat caatgaagtt ctttctctgc ttctttttgc tgtatttcct 180
 ggtcttcac atatatttct tctcttatgc ttatggtttt tcatatttgg ccctt 235

<210> 39254
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700943342H1

<400> 39254
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 atccgctacc aaatggttca acctcttaac ctgctactt caccatgttc agaacctttg 180
 tgatagagtg catgaaacca agctgcatga tgggtgttgac tggcacgggtg ttggt 235

<210> 39255
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943343H1

<400> 39255
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 ggccagccag gagggcatct gattcagggg attggtgctg gtattgttcc tgctgtgctg 120
 gatgtgaatc tgcttgatga aattcttcag gtatcaagtg aggaagctat agaaaactgct 180
 aagctgttag ccctgaaaga aggtttgctg gtagggattt catctggagc ag 232

<210> 39256
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943345H1

<400> 39256
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 ttctctctgt gcttctgggt tctcctttct tcaattgtga ttctcttaat aaattgtcca 180
 gttaaattgt acgatgatga ggaagacaat ctctatcaag gtatcaacaa gt 232

<210> 39257
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943348H1

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 tcctccgggg tgaagcttaa agaagccaag gaatcagcag gaacatttgt tggcgaggtc 180
 acgaaggata caaagagtaa tgtggccgaa gtggcaggac gagggggac gatgggtg 237

<210> 39258
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943349H1

<400> 39258
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 ggctccggct cttgccgcta agaagaagcc tgagaaggtc acgaatccgt tgttcgagaa 120
 gcgtccgaag cagttcgga tggagggggc gttgcctccg aagagagact tgactaggtt 180
 cgtgaagtgg ccaaagaatg ttcaaattca gaggaagaag aggattctga agcagaggtt 240
 ga 242

<210> 39259
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943350H1

<400> 39259

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 ctttctacca ctctcactcc aaaaatctct aattttttca tctgggaaga tcggttgacg 120
 aatcgaggat ccgatcgctt gcgaggaact agggtttcaa tcgatcgcat cacacacaaa 180
 caatcatgtt tagccggatg ttcggtaaac ctaaacagga aaccaatgct gttgccactt 240
 t 241

<210> 39260

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700943310H1

<400> 39260

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 ataagaagga ggagaagcac cacaagcatc ttgagcacct tggggaactt ggtgctgcgg 180
 ctgccggtgc ttatgccttg catgagaagc atgaggccaa gaaagaccca gagcatgct 239

<210> 39261

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700943352H1

<400> 39261

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 aagtactatt taattgatca tggatatatc atatattctt ctacaatata gatatcacat 120
 aaccatagca atagtagttt cactatcatt ttctttgttg ttatatgctg ctccacactt 180
 tctgaccatt ctgcctatt ttggccttt gtttgcttcc actactg 227

<210> 39262

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700943273H1

<400> 39262

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acgcagcttg atcaatgggc tcaaagatta tgcactgacc agtgccttcg ggaccggaga 120
tttccaccca tacaggctaa agagctgccg cttttggagt gtacagtgtc tcttcttact 180
gactatgaag ctgctaacca ttaccttgac tgggagatag aaaagcatgg tataattatt 240
gaattttctg atcctgtcta taac 264

<210> 39263

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700943274H1

<400> 39263

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tttcagcgaa gagcaactac aatttcgaga agcctttcct ctatttggca ggaaacttgc 120
aggatgacct aacttgcact ttgtggaatc tcctgcattg gctccaccag aagttcaaat 180
tgatttagct gcacagcaac aacacgaagc tgagcttctt gcagctgcta gtcagcccct 240
tcctgacgat gatgatgaat ctt 263

<210> 39264

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700943275H1

<400> 39264

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ccatccgctc ccaaaatctc actcttctta ctcttcttcc tccaagaaag taaacaaccc 120
tcacattcac cacagcagca cacattgaca aagacaacct tggttgtctc caatcaaaac 180
ctttcaagct ggcgttcgag aaccaagaca accctgtccg agatatcaag cccaggaata 240

ggagtatcat gggtgctgga

260

<210> 39265
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700943276H1

<400> 39265

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aggtcatttt agactccacc acatgatcat gatcatatga tcaatccctt aattttttct 120

tttttctttt cccttttctt tactctgtat tgtatcaatg cttgaaaatg gggttgttcc 180

aaaaatgtca tatatatattg gcctgctaata ggggtattgta aatctctgaa cttgaagtga 240

tgcacgggtt tgagatgggt 260

<210> 39266
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700943277H1

<400> 39266

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ctcaggctga agacatcatc aaagaacaag tcaagcttct ctacaagcgc cacaagaaca 180

ctgctttctc ctggctcaga aacatcttcc atgactgtgc tgttcagagg tgtgatgctt 240

cactgggtgct ggactcca 258

<210> 39267
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700943278H1

<400> 39267

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gagagtgtctg gtgaatgtgg gaaatctaca acccctgata atgagcttat aagcttgcac 120
catgtgcctc agcagcacia gatgagaatg ctagtgtttc tcagagttgc tgtgctcagg 180
tgaagaaaat tgggcagaac cctagttgcc tctgtgcagt tcttctctct aacacagcca 240
aatggctgg cgtcaa 256

<210> 39268
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700943279H1

<400> 39268

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agaggggtgtg gagaggagga taaagaagct gcagcggctg gtttcgggcy gcacccgaat 180
gaacccggac cggctcttca tcaagacggc ggacacatct tgcaattgag gttgaactca 240
atgtgttgca ag 252

<210> 39269
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: 700943280H1

<400> 39269

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catatctgct tgtgggtgtt tatctgttcc gttccacac aacat 105

<210> 39270
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 700943281H1

<400> 39270

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002230.413.03200

cgagaacaat aatggcactt atcagtgggt tgtcaagccc aaaactgtca aatatgaatt 60
 taaaaccaac acccatgtcc ctaaactagg ggtaatgctt gtaggggggg tggaacaat 120
 ggctcaaccc tcaactgggtg tggtattgct aaccgagagg gtatttcacg ggcaacatag 180
 tacaagattc aacaagccaa ttactttggg tcaactgacca ggcacacagc atcagagtgg 240
 ggtctgtcca agggga 256

<210> 39274
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943285H1

<400> 39274

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 cctgctcaaa gtgctagtgc aggttctttt gatgaccta caatcatgaa tagtcgagcc 180
 tcatctcctg ttcttcaga gaagcacgat cagtttgatc actgctcaaa ggaaaagagt 240
 gacctttatc gagccaatat t 261

<210> 39275
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943288H1

<400> 39275

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 tctctcacct gaaaatgtct tgctgcggtg gtaactgtgg ttgaggagct cctgcaagt 120
 cggcaacggc tgcggaggct gcaagatgta cccagacttg agctacactg agtcaaccac 180
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 ggggtgtgcc gctgagaacg a 261

<210> 39276
 <211> 262
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700943289H1
 <400> 39276

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 accgccctga cattggtggc tttggctgtg ccaatggcaa ggtccagatc atccagcaga 120
 tcaaccatga ggggtgaggtt aacagggctc gctacatgcc ccagaacccc ttcattcattg 180
 ccaccaagac cgttagtgtg gaggtttatg tcttcgatta tagcaagcat ccctctaagc 240
 cccctcttga tggcgctgt aa 262

<210> 39277
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943290H1
 <400> 39277

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 tcgaccctac cctagggttt gaatccgatt tcaaagtcag gaaaatgata aatgctgtgg 120
 ctgagtttagc atttcagtgc ttgcagagtt ctaaagagat gagaccttct atggaagaag 180
 tgggtggagac tctcaaggat atacagagtg atggcaaaca taaaagccag cctgaggtaa 240
 tggacatcac aagcacagct g 261

<210> 39278
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943291H1
 <400> 39278

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 aaataaaagt cactacaagt gccctggcct tggtgctaac cagtaggcac aatgaattgg 120
 caaatataca tgtccagggc tatcttatta agtctggcga ggaataact acaagatcaa 180
 aagctaaatc agccccagat caatgggtaa tggtgccact ttctacaaag atagtggctt 240

tattggcaga tgcattaaact

260

<210> 39279
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700943292H1

<400> 39279

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ctcagcaatc tgctgcaggc attgatgggt gcagcttggt ttgctgctat gcctctcttg 120
aagaagatac caacctcagt gctttgggggt tactttgctt tcatggcaat tgaaagcttg 180
cccggaaacc agttttggga gagaatacta tatcttttca ctgctccaag tcgaagatac 240
aaagtgatgg aggaac 256

<210> 39280
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700943293H1

<400> 39280

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tttgatgctg ttttctcatc attggcattt ttttctctcc ccaatctttt ttggatgaca 120
atacttgctc atgatgtatt ttcaaataaa aaatctgatt ttaatttttg ttttttgttt 180
aaaatatatg atatatcctt tttattgcag atgttgatatt tggacaaaagt tttttacttt 240
ttcatcaatt tttt 254

<210> 39281
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700943294H1

<400> 39281

caagactcat gctatgtgca ttctaaccgt caatttttcc gtgaatgcaa catttacggc 60

actgtagact tcatatattgg caatgctgcc gtgggtttcc aaagtgcaac atttatgctc 120
 gtaagcctat ggctcaacag aagaacacca tcacggccca aaatagaaaa gacccaaatc 180
 agaatacggg tatatccttg cacaattgtc ggatcctacc cgccccggat cttgccccgg 240
 ttaagggcag 250

<210> 39282
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943295H1

<400> 39282
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 ggcttccttg gcgccgcagc tgccctcgtc ttctcctgta tgggagctgc ctatggcaca 180
 gcgaagagtg gcgtgggcgt ggcttccatg ggtgtaatga gacctgagct ggtgatgaag 240
 tcgattgttc ctgttg 256

<210> 39283
 <211> 165
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943296H1

<400> 39283
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 caccctgagt gtcagtttat tcttgatgct aatgaggggt atactctgag gaagcagttg 120
 aagttcttga gaaactacat gatatgaggt tgactactgt tctat 165

<210> 39284
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943302H1

<400> 39284

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 cttcttctct ccattgtttc atttttatct ccaattcttc aagtgaagagg aatataggaa 120
 cttgaagtga tgaaaacaac agaatgttaa aggaagcttt gatgtgaggt gaggtgagga 180
 aatcacaaga ggaatttgaa aatgagtaca gcaagattca tcaagtgtgt tactgtggga 240
 gatggagccg tgggaaagac atgtatgctc atct 274

<210> 39285
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943303H1

<400> 39285

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 gggcttcaga aaagcacttc atctttgtct ctgtcttcaa ttctattgtc tttgtcacia 180
 aactcaaagt actcttccca ggctgattct ttgactccac tggatgaaaa gatttcgctg 240
 gcattgcgtt t 251

<210> 39286
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943271H1

<400> 39286

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 atgagcctgt ttctgttaag agtagtccaa acattgtgga agtaaaacct caggggtgtga 180
 gtaagggaat cgtagcagaa cgtcttctct taacaatgca acaaagggga gtgattccag 240
 attttgttct atgcattgga gatga 265

<210> 39287
 <211> 240
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700943308H1
 <400> 39287
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 agaagagcat cccagcgcac gaatgaatgg gcaattgcgg aagcagagag gaatctgccg 120
 tagtttccaa ggctcaagtt gttcagcagc ttcaccatgc gacgtcgttg ggcgccagtg 180
 ccaggaccga caagaagcac gctcacaggc acaatctcag cgagtgcgct tcggatctca 240

 <210> 39288
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943238H1
 <400> 39288
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 cattgatgag tactgctatc tcagccttcc catctctcct ttcttctca aaatccgatt 120
 tgccaccgca gttcctcttg ctagcttttg tgtcaccaat gcctcttctt ctcgcttttc 180
 tatgagtgc gactggatgc caggccagcc tagacctcct taccgtgatg gttcagcacc 240
 tggtgacttt ggattcgaca ctcttcgtc 269

 <210> 39289
 <211> 197
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943240H1
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 ttttccttca gtttttttcc ccttttaaaaa tagacttgca accacatga tgcatgaat 120
 aatttaacaa aattaagcat tttttcttat aactgcactg ctggtatctc ttctggtata 180
 gcaaatattc cacacaa 197

 <210> 39290

<211> 84
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943242H1

<400> 39290

atgatacctt ggctctccaa gctgctgaga aatcattcta tgaggtcatt ggtgagacat 60

accattcttc ttccatccaa aact 84

<210> 39291
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943244H1

<400> 39291

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tttgtatgct cttcaaatca gtgcaagaga cagccagttc ttcagcaaag tccccatttt 120

gacaaaaaca gtgtcaaaga gacagaactt cccaacaaag aagcaccaga agtgaacaag 180

ccagagcaac aaccaccttt cattccggag actgaaaaca gctatggcct atatggcat 240

catgatgagt ataaccaagt cccttcc 267

<210> 39292
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943245H1

<400> 39292

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gaagtgtctc aaacaataat gctagtgtct ctggtggtag tgaactaaca agtagtggtg 180

gcagtggcaa ctatatgggt gggggctatg gggatgcaaa tggaaattca gggtatggaa 240

atgcagcttg gagatctgaa ca 262

<210> 39293

002220"ETFE560

<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700943246H1

<400> 39293

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aagggcagcg ggactgttga aaagcttgtc aagattcaaa ttcttgcaac ataaagaaac 120
aacttgttga tgattgggac tctgttactc agcaagataa gcttgtaaaa cttccccgtt 180
caccaactgt tgatgaaatt ctgacaaagt accttgaata caaatcaaag aaggatggca 240
ttgctcctga ttcaatagga gaaat 265

<210> 39294
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700943247H1

<400> 39294

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tttgcacctc ctgagtggag agaatgtagg cttggcattc aactcttacc gtactgcta 120
tctctgaggt cttgttttcc aatgttgatt ttgtgaagga gcttgtggag tggacattgc 180
ctgctttgaa tagggaaggt gttggagaag gatggaaggg gtttgtctat gctctgcagg 240
gtatttatga caatgaaggt gc 262

<210> 39295
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: 700943248H1

<400> 39295

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tgaagccatt gaagaggcag atgatgggga agatcaaggg attgagaatt gcagccaatc 120
caccagcatt tccgctg 137

<210> 39296
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943249H1

<400> 39296

gttcaatagt catttgatca caatttttag tagtccaaat ctagagacta tatgactgtt 60
 ttcatgggtt tccagaggat ggtagtctct gcgatcatgg aggtgactac tatggatcca 120
 tattagaaac aggccttctg tcctctggaa accatgaaaa acagtcatat agtctctaga 180
 ttgggaccac taaaaattgt gttcaatagt catttgatct aaaaatttat atttgcaagg 240
 tgatgttttag ttaggaattt ctaag 265

<210> 39297
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943250H1

<400> 39297

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 tggttaagat aacatccgtg ggaagggtgt cagtttttgg ggatgtaatt agacagtga 120
 ccctgtaagt gacaataaag ctctaaacaa gctgggttctt aatcaggatt gcggtaactc 180
 agccaagact ggtggatttt cagaagagcc agaataattgt gcctgtggaa atgacatctg 240
 ttgtggtcag ggtactctcg aaaat 265

<210> 39298
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943251H1

<400> 39298

agtggggctg cttttgggtt cccaccatca atagatctaa acaactgaac attccatgtc 60
 tcatgatctt ctagaaatgt tactggccga tggtcagttg tgtagatcta tgatgggtgg 120

gctgcttttg ggttcccaga gactcctgaa gatgctgccg gagctgggtct tattagtggg 180
aaggataata tcattgatcg tagttctcaa gatgcttata ttaatgctat tcgacgtgca 240
gagaactgca tctatattga aaat 264

<210> 39299
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700943252H1

<400> 39299

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caaggttggt caagtcatca aatgcaaagc tgcggtttca tgggaggcag ggaagccact 120
tgtgattgaa gaagtagagg tggcaccacc acaagctggt gaagtgcgtt tgaagatcct 180
ctacacctct ctttgcacaa ctgatgttta cttctgggaa gccaaaggggc aaactccatt 240
gtttcctcgt atatttggtc atgaag 266

<210> 39300
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943253H1

<400> 39300

gcacgaaaat cattagccac agccctaacc ccccgacgc cttccatcgc atcgctcct 60
aaaacaccac acatcaaaac gacagtgttt cggagcaatc aatgtaaaat cttggacaat 120
aacgacgaat ctttattctc tctccgtcgt tgtttgttgc atcattaata gtagatgcca 180
atggatccga atccgcaagc ctccgtggag tccgaccggg acccgcttcg cgtgaagagg 240
aagacccttg aggcctgtct cttgcagt 268

<210> 39301
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700943255H1

<400> 39301

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 atcagcacgc attgctatat acaaagtatg ttggatcaaa ataggttgtc ctcagctgaa 120
 acccttgcag catttgatga agcaattgct gatggagttg atataatttc catttcaacc 180
 ggacttacta gtatagtgtg cattccgtat ttccaaagcg catttgatat aggaagtttc 240
 cacgcaatgt a 251

<210> 39302

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700943256H1

<400> 39302

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 tgctcatata gaagtagatc cagatgctgc ccgggagaag attatggcct tgatgattca 120
 ggaaacattg aaccaactga attactggct gacatggaca atcagatagc aacagcaaaa 180
 gaagaagctt taagccgaaa agatatattg gacaagggtg agaaatggat gtcagcatgt 240
 gaagaagaaa gttggcttga agattataa 269

<210> 39303

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700943257H1

<400> 39303

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 aattgactcc acaatgatgg attgttgctt gatgtgattg tagagttggt atggaaggcg 120
 tgattgaagg agaaacaatt tccaatgttt cctaatacat gatgtttgga agacttgga 180
 tcttcttttc tgcagaagtg tgggagggat gcatagtcca ttaccttcag taattcctcc 240
 gtcccacaac cttgcagcac ctgga 265

<210> 39304

<211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943259H1

<400> 39304

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 cggctatcag aaactgtgat cctgaggggc ctctgatgct ctatgtctca agatgattcc 120
 agcatctgac aagggcagat tttttgcttt tggtcgtgta ttctctggca gagtttcaac 180
 tggtttgaag gtgaggatta tgggaccaa ttatgtccct ggggagaaga aggatttgta 240
 tgttaaaagt gttcaaagaa ctgt 264

<210> 39305
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943260H1

<400> 39305

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 ctccatccaa ttccgagatg agcactggcg accttctcag catcgaacct tcgaacttaa 120
 gttcttcttt gagctcaaga agcagatata atgctctctt atattgtcaa ataagaccga 180
 tagctatata gctttcaagg tgaaaacaac caatcccaag aagtattgtg ttcgtccaaa 240
 caccggagta gtcatgccac aat 263

<210> 39306
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943261H1

<400> 39306

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 caagacagcg cggcgtagca agtttgagtt gaaaggggac gacatgggta tgcgcactga 120
 acaaaccga tgaagagaga gcccctttac ccctcgatga agatttgctt gggatgggccc 180

agtactattg ccttcactgc gatcggtact tttccaatgt agccgtgagg gatgagcact 240
 ttaagaccaa acgacacaa 259

<210> 39307
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943262H1
 <400> 39307

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 cgcgcaggct atccacgcgc caccacacgc ggtgtgggtcc gtcgtgcgct gcttcgacaa 180
 cccacaggcc tacaagcact tcatcaagag ctgccacgtc aaggaggggt tccagctcgc 240
 cgtgggggtcc acccgcatg tcca 264

<210> 39308
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943263H1
 <400> 39308

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 agcttttcaa agcttttctg ttgaaaatat agaacttttt ctatcaaaga agctctcaaa 120
 aactctcttc tcatggcttt gtacccatgt aggacatag tatcttagtc cagcattgcc 180
 ttatgctaaa cttatgtttg acatctcgta taactcatct attcttattt tactcagata 240
 ataacagagt taaaaaaatt attta 265

<210> 39309
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943264H1
 <400> 39309

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gccatgagcc acttgatccc aacg 84

<210> 39310
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 700943265H1
<400> 39310

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ctgcgaaaat gagagagtgc atctcgatcc acattggtca ggctgggtacc aggtcggaaa 120
tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc aaatgccaaag 180
tgacaagaca gttggcgggtg gtgatgatgc tttcaatact ttcttcagcg agactgggtgc 240
tggaagcac gtgccacgt 259

<210> 39311
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700943266H1
<400> 39311

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ccatgggtccc aggacatgaa gtgggttggtg aggtactgga ggtgggataa acgttagcag 120
gttcagagtg ggagagttgg tgggagttgg actcctcgta ggttgctgca aaaactgcca 180
gtcatgccaa caagacattg agaattactg cagcaagaag atctgggtctt acaatgatgt 240
ttatgtcgat ggaaaaccca cac 263

<210> 39312
<211> 260
<212> DNA
<213> Glycine max
<223> Clone ID: 700943268H1
<400> 39312

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 agcatgtagc atctatggca cgccaatatg ttcgagcat tatatcacag tccaaaggg 120
 agcattagca ctttctcctt ctcatttgag ttcacatgca gggcttaggt caccattggg 180
 tactcctgaa gcgcaaacc ttgctcattg gatctgcaac agttataggt gctacttggg 240
 tgtggagcta cttaaata 260

<210> 39313
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943269H1

<400> 39313
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 agacagtttc accatcagtt tcttccaaaa aatttggttc ctttctgat tggattccag 120
 gccaggctcc atttca 136

<210> 39314
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943234H1

<400> 39314
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 ggaagctatc aagcagttgc agtcccttat ggaaaacttg gatgagcaac agaaaacaca 120
 ttccagatta tgcaccgggg ctatccaaca gaaacattag tacggtttct caaagcaagg 180
 gatgggaatg ttgtcaaagc acataaaatg ttaattgatt gtttacaatg gagagtggaa 240
 aatgagattg ataatgtttt atcgaag 267

<210> 39315
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943204H1

<400> 39315
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 ggtattttaa ggcgctccat aatttctagt tttgcagata catttttctc tggaaaaatc 120
 ctgaatttcg gaactctgga ctatctgcta gattgtgcct gagtttgtag ttgtggccat 180
 ggttgcagat cgaagctctg aaatgtcgtt attagttgga ttttagaaat agatttgcac 240
 ttttcgaagc ttcagaactg aaacaagcga gct 273

<210> 39316
 <211> 135
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943205H1

<400> 39316
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 tcatttcagt atttcatctt ctctctctct atacttgcgt ttgtccattt tccaactaaa 120
 tgaggaaact ttggt 135

<210> 39317
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943206H1

<400> 39317
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 caaaacctgc aaagtgagct gccaacagga gaaccagcac gcctcgtttg ggcagaaagt 120
 ttctgacttg ttcaaagggc atcaacataa tgaccacagc ttcaattatg ccaactcaaac 180
 caaagtgctt tcccagtcag ggtcatgggt aggcaccttc accaccacaa ctcaatttca 240
 atgcggttgc cccaagcaca tctcagtacc actcatg 277

<210> 39318
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943208H1

<400> 39318

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 agagagagag gttgtgggaa tgtgggtgctg cttcgtgtct ggttattgcc tcgcgagggtt 120
 tgagaattca gtgaagagaa acggagttgc cgatgctgcg atgtcctaga tgatagatct 180
 gtgaggaaat tgaactgtga aaaaaaatgg cgacttcgga ggtagagaga aggggaaatt 240
 cggtaaacgg gaaagga 257

<210> 39319

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700943209H1

<400> 39319

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 gcatctgtgg cctcctaaacc tgcccctttc actgttgaga agtcctcagt tagaggcctt 120
 cctccctctc aaggaactcc tcttcattca gagttgtggc cagtgggtggc aagaagatca 180
 agactgacaa gccttatgga attaatggtg gcatggcttt gaggggaagga gttgatgcat 240
 ctggcaggaa aggaaaggga aagggcgttt accagttt 278

<210> 39320

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700943212H1

<400> 39320

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 ggggtcgggtg gatgatcaaa ttgacttcatt aatgggtgat ttcttcctct tgacacataa 120
 ttaaagggtt aattgtaaga ttgaggaaga atgaaaaagt gacttgacag gtgtaagggtg 180
 gttcatgcaa tgagatacta attaagtac aatatgtttt tttaaactgt tgtacattaa 240
 aaatggatct attatgaatt atatagtatt tgt 273

<210> 39321
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943213H1

<400> 39321

caagaattgt ttgaggcagt agagcaggag agaagctgga gggctacccc ttcaagaaat 60
 gctgctatatt ttcatacccc agcctttggt gattttgaat tgcagcattt gcgcatgaat 120
 gcaaatgatg ctgactttga agagagaatt attcaacatt tagctgctgc tgcaacgatg 180
 aggagagtga accagcttgg tcggagggaa gggcagcaaa ctcgttcata acctcatgtt 240
 catccacact tcttagtggt atctaatacag 270

<210> 39322
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943214H1

<400> 39322

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 acccagttgc gaccatcctt agttacctga ccaaggcccc tctgggtcca ccgggtaccc 120
 agtgggtgaat gcgttgtcaa agcagcgagc tatgctggaa aacatcctga gggcttgtgt 180
 tggattagct cctgagaaca acatgatcct agagtacaag tgaagttcaa agtcttaaga 240
 gtaacggttt gggatagtgt agttgaatgt gat 273

<210> 39323
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943215H1

<400> 39323

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gccaacgtg aagctcttca acgcggtggc ggcggaggac ttgatcgtga aggaagggag 180
 ggttgccggg gttgtgacca attgggctct ggtttcgtg aaccatgaca cgcacatgc 240
 atggaccca acgtgatgga ggcgaaggtt 270

<210> 39324
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943216H1
 <400> 39324

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 ttgccttggg tcagatctga ctcaaatca ggtgccgcag tacacgggtgc ctccaacgc 120
 tggtttggct cttttcctac caaggacttt acctactctg cggacggggg attcgggaagt 180
 gctgaagctg aagctgaagc tgaagctaga gatagtgaga ggaactacac tctttagga 240
 tgcacttggtg cccctgcgtt tcagtaccag gactt 275

<210> 39325
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943217H1
 <400> 39325

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 aagaatttgg agaattatac acctttaagt ggactactct cctgattcct ccaaccacat 120
 cttaataatc aacattgttg gggttgttgc tggaatctca gatgccataa acaacgggta 180
 ccaatcttgg ggacctctat ttggaaaact attcttttca ttttgggtga ttgtccatct 240
 atatccattc cttaaagggtt tgatgggtcg 270

<210> 39326
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943218H1

<400> 39326

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 taatcgtgaa tcaccattaa atcggataac gttgtgggta tgtcattaat taacattgta 120
 tttgataaca tgaaattaaa gtaaaagtga aaaaaaaagt ttgaaaacga ctaaaagcat 180
 gaatctaaaa aagaaatctt atttaaaact agcaacagaa aagagtactt gagtgtaaat 240
 tgatgttcat tgattcattc aattattaac tgtg 274

<210> 39327

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 700943220H1

<400> 39327

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 gcatgtccaa tcggcagtgcc ccagtcacgt cagcgcctcg gtacacttct gcccttgacg 120
 acgggtgcatt gaccttaact cgctcaaccc ggatttgcct cgggtccgtca tcaacggcat 180
 tattacctcg gagtccatct 200

<210> 39328

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700943222H1

<400> 39328

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<210> 39329

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943223H1

<400> 39329

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 aatttagaaa aggtgacaga caaggcagta gtccagtggg tggttaactct gcatcaaata 180
 ggtcttgatg tggttcgacac tgataggaca ttagtttttt atgagaagca agaaaacttg 240
 tcgaaactat gggatattct tgtagtttat 270

<210> 39330
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943224H1

<400> 39330

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 ctcatteect ccgcttcttc cggcgattcc aaggctctct acctcaagat gaagggagat 180
 taccacaggt acctcgccga gttcaagacc ggcgccgagc gtaaggaggc tgccgagagc 240
 actctctctg catacaaagc cgctcaggac attgca 276

<210> 39331
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943225H1

<400> 39331

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 cctagtggtc ccccatctac cgcagatgca tatgaaaggc tgcttctatc cattcctgag 180
 tttgcaaact tttggaagct ttttaagtct tcagaacctg tggagcttac tgtagcagag 240
 acagaatatg cagttaatgt tggtaaacac at 272

<210> 39332
 <211> 279
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700943226H1
 <400> 39332

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agccttctcc tcattgtctc tttatgtctc gcctgaaatc aagggtgagg cttctgggtc 120
cgtcttcttc gtcgatagct ccaggaatca attccttcgc gcgagatcat ccaacgatga 180
gcaacctgca atgttgcttc aagaagttgg ttctgtgtg tcagtcttgc ttggttttgc 240
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<210> 39333
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943227H1
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tgccaaaaaa accgttagtt cttgtggtat tgccatcca acttgtaag cacctttata 120
tatatatata aaatgtgtga acaatatata tatattgatt aaaaaatata gtttaattta 180
tatacacact ttgatcctat aaaaacatct tgacacaagc attcaataga atttcaccac 240
tttatcatga cattttacta taatgatgtg g 271

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<210> 39334
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943228H1
 <400> 39334

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tcacaatgtg catactatta attcagaagg ctattcgata gatcagctct ctcttgtcag 120
agaggacaaa caccattctt tgagttcatc atcagggata tgtggtgtga tgtcctcaaa 180
aggattttca tctacatttc atagttcaaa tagtggacag cttgaaaggt cgtctgaacc 240

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atctaagaac agcaaaaaaa gggccaggcc a

271

<210> 39335
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700943229H1

<400> 39335

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cccagaacct ttccccacat accttgaca gatgtggctg gagaaatagt tgaatcggaa 120
ctcaagtcaa agatttcaaa gttggcgacc aagtccttgc taaactcact catcaatatg 180
gaggtgggtt tgccgagttt gctgtggcta gtgagagctt aacagcagcc agaccatctg 240
aggtctcagc cgctgaagct gcagcatt 268

<210> 39336
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700943230H1

<400> 39336

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tatacaaacc cttgcccctg ctcttccccg catcacacac acacaacata aacttacaat 120
tcagtctctt tcgttatcaa attatttctt cgatcaaggt cgttttcgaa acttcaccaa 180
catgagctac tacgatcatc agcaacagcc tccaattggg gttcctccac ctcaagggtg 240
taaaggaaag gacgcttacc ctccaccag 269

<210> 39337
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700943232H1

<400> 39337

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gaagtcctct attcagaacc agatatggag acaaaaccca ccgagatcag cagcggaaga 120
 tggtcggagg ctacaacaag aggttcagac atttcagccc taccctcggc tgctccatga 180
 atttccacat ctacttccct cagtctcctt ctccctctca caaattccca gtcttgact 240
 ttctctctgg cc 252

<210> 39338
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943233H1

<400> 39338

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 ttcccaaggt tcaacaactg ctgcaggact tctttaatgg aaaggagctg ttcaagagca 180
 tcaatcctga tgaagctggt gcatatggtg ctgctgttca ggctgcaatt ttaagtgggtg 240
 agggcaatga gaaggttcag gatcttctc 269

<210> 39339
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943203H1

<400> 39339

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 aaaacgtctt gaaaggcgcg ccgattacgc cgatcacgtc tgaagccgcg gcatagcggc 180
 ggtgcccacc gctcaaggtt tacgacatac gccacgtggt caaagacgag aactccgccg 240
 ccgctgcca cggaaactcag caccaacgag tc 272

<210> 39340
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943160H1

<400> 39340

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 gtgatcatgt tggctcacaa tccaggtggg aaagagagaa cagagaaaga gtttgaggct 120
 ctggccaaag gctctggatt ccaaggtttc caagtcctgt gctgtgcttt caatacctac 180
 gtcattggaat ttctcaaaaa ggtttaagtt ctttggcgtg gattcatatc aagttgcatt 240
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<210> 39341

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700943162H1

<400> 39341

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 acaaatatag attattc 137

<210> 39342

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700943163H1

<400> 39342

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 atactactat tttattactt gtcttttcta atcgttttgt tcattttact ccaggcaatt 180
 ggagcaacaa tcattgagta ctggcactaa aacttttgcc taatctgtta ttgcatctcg 240
 aa 242

<210> 39343

<211> 250

<212> DNA

<213> Glycine max
<223> Clone ID: 700943165H1
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ggcctgtagc tatgccatat ctggtgcagc atgctccgag ctcaatggga aggtcacttc 120
cgtggcctct gttgcatcct ctggctacaa gttgccattg atcaaagtgt aggccagagt 180
tcccaaagcc aaagaatctg aaggaaggag aggtgccctt gttctcttgg cagctaccct 240
tttcatctct 250

<210> 39344
<211> 116
<212> DNA
<213> Glycine max
<223> Clone ID: 700943166H1
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<210> 39345
<211> 242
<212> DNA
<213> Glycine max
<223> Clone ID: 700943167H1
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aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180
aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa 240
ag 242

<210> 39346
<211> 244
<212> DNA

<213> Glycine max

<223> Clone ID: 700943168H1

<400> 39346

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atctgcttat tccgaatcga cgggcgtgga gagcgatgag gacatagaag atgttacgga 120
ggagcaagag aaggtagaag aagaagaaga agatgatgaa ataattgaat ccgatgttga 180
gctcgagggt gaaacctgtc agtctgatga tgatcctcca cagaagatgg gagaccctc 240
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<210> 39347

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700943169H1

<400> 39347

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tttccacttg aacctctctg gccgttttgt cattggaggt cctcacggtg atgctggctc 120
caccggccgc aagatcatca tcgatactta cggaggatgg ggtgctcatg gtggtgggtc 180
ttctccggga aggatccac caaggttgat aggagtgggtg cttacattgt gagacaggct 240
gc 242

<210> 39348

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700943170H1

<400> 39348

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ctagtacggt aggcggtgga gctgctggtt tcagcttgat ttttcgaata cctcatctg 180
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t

241

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<223> Clone ID: 700943172H1

<400> 39349

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 gacaaacctg cagatgatgg ctacaactgg cgtaagtatg ggcagaagca ggttaagggt 180
 agtgagtatc cacgaagcta ttacaagtgc acacatctga attgcgtcgt gaag 234

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<223> Clone ID: 700943173H1

<400> 39350

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 tctgacagac actctgggtg gttgacatgg attccaattc caaggccatt ttggattatg 180
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241

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<223> Clone ID: 700943174H1

<400> 39351

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gttgctctgt ggacagccaa cacagagagg tacagcaacg tagttgtgtg gactaaacga 180
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 cttg 244

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 <213> Glycine max
 <223> Clone ID: 700943175H1
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 c 241

<210> 39353
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943176H1
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 aaagggacgt tgcacgcagc tcaaggatat ccagacgtg gctttcaagt tgtcaaagag 240
 a 241

<210> 39354
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943177H1

<400> 39354

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caagaacggg acctgccctt ggctgaggcc tgatgggaag acccaagtga ccgttgagta 180
ttacaatgac aatggtgcca gggttcctat tcgtgtacac accgtgctaa tctccacc 239

<210> 39355

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700943180H1

<400> 39355

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cttggtgtaa gggcttcaga tgagcctgca gcggcggcac ccgccaccgc cacaccccca 180
gctgaagctg aagctaaacc aaagccatca cctattggcc ccaagagagg tgctaaggtg 240
aa 242

<210> 39356

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943182H1

<400> 39356

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cttgggtcac cggcaacgat gccctcgaga aagccttttc aatctacggc gacatcgttg 180
aatcgaaggt tatcaacgac cgtgagactg gaaggtccag aggattcgga tttgtgacct 240
tcgcctc 247

<210> 39357

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700943183H1

<400> 39357

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ctactacagg tccctgtggc attaggagcg acttcatatc aagctgtgct tctgtacaag 180
gcaagagagt gatagcatcc aaaggagatc aaagaacaca atggcgagcg caccagttag 240
t 241

<210> 39358

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700943187H1

<400> 39358

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tcaaggaaat agataatatt tattttgaaa ccgaataccg aagagaatgg tgcagcacia 180
gggtaaacca tccacttget tcctttttgc aagaaaattc actcggactg ctgcttta 239

<210> 39359

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700943192H1

<400> 39359

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tgataccaag tttcttcggt ggtcgaagga gcaatgtttt cgaccctttc tcgctcgacg 120
tatgggaccc cttcaaggat ttgtctttcc cttctgctga agattcagct ttcttgaaaa 180
cacgagtgga ttggaaggag accccagaag cgcacgtgtt caaggctgat attccgggg 239

<210> 39360

<211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943193H1

<400> 39360

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 tcccttctca agactgcccc aggccaccct atgttggtgg aactgaaaaa tggggagaca 120
 tataacgggc atttggttaa ttgcgacaca tggatgaaca tccatctgcg agaagtcatt 180
 tgtacatcta aagacggaga tagattttgg aggatgcctg aatgctacat acgaggca 238

<210> 39361
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943194H1

<400> 39361

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 ttaacttttt tggacctaaa tgtgagtatg tggtgagtgg gtctgattgt ggtcggtttt 180
 catatggaaa aagaaagggtg gtcagcttat tcgtgtcatg gaagcagata agcatgttg 239

<210> 39362
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943195H1

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 tgtggtcact gagcaaacca aggaggaaag tactgaggcc ccacgacctg cagcttctga 180
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<211> 243
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 <213> Glycine max

<223> Clone ID: 700943196H1

<400> 39363

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 acttatgctt tgggtaggga atccacactc tctgactgct ccaaggcaca actcgctccac 180
 aatgttgagg ctttgggcgt taatttggtc cgcggggatc tgtacgatca tgagaagttg 240
 gtg 243

<210> 39364
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 <212> DNA
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<223> Clone ID: 700943158H1

<400> 39364

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 ttcacgctt tcaagcaata ttctcaagcc tgatattgca gcaccaggag tgaacattct 180
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 caaca 245

<210> 39365
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943201H1

<400> 39365

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 ctccattttg tgcctcctt tctgtcacga tcgttttatt tttccagatc caccacacga 180

cgaccgcaat cactccatct gtgctctctt ctctgttat tgcgatctcc cctccgttgc 240
tgcaactgcg aagccaaggc aaagct 266

<210> 39366
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700943202H1

<400> 39366

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ctaccaacgt tctgcctatg aactgcagtg gcagtctgaa ctctgtactc cggagatgta 120
taataagggtg tattttgcac gccaatcttc tgcttctctt gggtatttta tgaggcagac 180
ttcaattgaa gaggggtggct caacttcctt tattgtcctt aaaacaaatc atgggtgctgc 240
tgcactgaa tgtccttctg atgcaagggc acca 274

<210> 39367
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700943117H1

<400> 39367

cgatcgtaac caggctctgg ttttgcggtt agggtagctc tttctactca aaacaaaaca 60
aaacatcaat ttctgtttca gttcgcggag atcaatattt gtcgctgagg tcgatcgctg 120
ataaaaaggca atgtttttgt gggattggtt ttatgggatt ctacgctcgc ttggcctgtg 180
gcagaaggag gccaatatct tattcttggg cctcgataac gctggcaaaa ccaccttgct 240
tcacatgctc aaaga 255

<210> 39368
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: 700943119H1

<400> 39368

ggaattccgc tcgagctaca atgccaatgc tagtggcaaa actcctgaga tagatgttgt 60
 tgtgtcaaac aaggatcaaa aagtcattgc aggatcatcc aaggcaactc ctaagaggaa 120
 cgaaaagggt gtcaaaa 137

<210> 39369
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943120H1
 <400> 39369

gaagaggcaa aaaaagaaga aaattgatgt tgttattgtt gatactgctg gtaggctgca 60
 gattgacaag acaatgatgg atgagttaaa agaagtgaag aaggcattga atccaacaga 120
 agtgttgcta gttgtggatg caatgacagg gcaagaagcc gcagcgttgg tgactacttt 180
 caatcttgag attggaataa caggtgccat cttgacaaag cttgatggcg attcaagagg 240
 tggagcag 248

<210> 39370
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943124H1
 <400> 39370

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 cgtcgatggc gacctcaacg acgccaagct cttggcaaag ctcttcgatg tggtcgctta 120
 tcaccacgt gatgcacctc gcggcgagg ccgggggttcg ctacgccatg gagaatcccc 180
 actcctacgt ccacagcaac atcgcgctgc tcgtcacgct tctcgaggcc tgcaaatcgg 240
 cgaaccctca gc 252

<210> 39371
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700943125H1

<400> 39371

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gtagatttg aatctcccag cagaagagaa tgaacagaaa caaacaatg atggaaactc 120

tgatcatgtc tcaactgaga accaaaacct ttggttgcaa gatttgtgtg atctggttga 180

tgaaaagttg tttttaaac ttatgatttt gaagcacttg cggatagagt gttgaaagtg 240

atcagaa 247

<210> 39372

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700943126H1

<400> 39372

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cagctgctgc aagtggcaag gatttagaag agactggcag tgaggatgat ggtcttttgg 120

atctgagtga tgatgatttt ttccttgctg ggagttctag tgacgaagca gatgcggatg 180

atgatggaca gacaaaagtg caagagagca ggcttctagt gcttctggga aaggcgtgtc 240

tggcat 246

<210> 39373

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700943128H1

<400> 39373

gcttgagct ctttgcctgc aatggctaaa ggacaaggta tactcaatcc gtgatgcagc 60

cgctaataac atcaaacgct tggcagaaga atttggaccg gattgggcaa tgcagcacat 120

tattccccag gttttggaca tggttactga tccacattat ctgtatcgga tgacaatctt 180

acaagcaatt tctctactag ctctgttctt gggctcggag attacttctt caaaactgct 240

ccctctg 247

<210> 39374

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943131H1

<400> 39374

gcgttgctgt gtgagagaaa gagaaatggc aacaagcgaa gaagtgggtg ccgcggcgcg 60
 gagtgaagccg cgccggaggc aggggtgaag cacaaactgg agagaaaatg gacgttttgg 120
 tgcgacaacc aatccaaacc caagcaaggc gctgcttggg gaacctctct tcgcaaggctc 180
 tacacttcga caccgttgaa gagttctggt gtttgtatga tcaggtattc aagcccagca 240
 agttgc 246

<210> 39375
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943132H1

<400> 39375

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 caggacgtgg acagggcggc gctgtcgcgt cccttgagac agacgcagca gagctggctc 180
 ctaggccccg gcgagcagaa gaagaagaag tacgtcgatc tcggctgcat catcgtcagc 240
 cgcaagat 248

<210> 39376
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943133H1

<400> 39376

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 tctttgcgag gcagtggaaa agcaccaagc ttcaatgttg gttgtgggta gtcattggta 180

tgggacttaa aaaggtacaa attcattaat tttggtccta gtaattatgt ttatgttgct 240

ttgtaatgat ata 253

<210> 39377
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700943134H1

<400> 39377

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gacctcctta caggtgatga gcttctctct gactccttcc gttacaagga aattgagaat 120

ggaatgctgt gggaagtga ggggaagtgg gttgttaaag gagcagttga tgtagacatt 180

ggtgcaaccc ttctgctgag ggtggaggag aagatgaggg atttgatgat gcagctgtaa 240

aggttg 246

<210> 39378
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700943135H1

<400> 39378

tgcaaaacat gtgactgaaa aatgatgct taatgctggt aacatttacc cccacaacac 60

cccaaaaacc aaggaagcat attactacag aatgatcttt gagaggttct tccctcagaa 120

ctcagctagg ctactgttc ctggaggagc aagtgttgca tgtagcacag ccaaagctgt 180

tgagtgggat gctgcttggt ctaacaacct tgatccctct ggtagagcag cacttgaggt 240

gcacatttca g 251

<210> 39379
<211> 121
<212> DNA
<213> Glycine max

<223> Clone ID: 700943136H1

<400> 39379

cagaatttgg gaaaggatat acaagaagcc aattaacatg tgtgctttta attacctatt 60
caccaccatg ttcttagtgc taacattctt gtctttatcc atcaaagct caactgagtt 120
c 121

<210> 39380
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700943138H1

<400> 39380

caattctaca actccccaaa ctgcccctca attgaacaca acatatgctc cgaggaagcc 60
gtccacgtgg caatgacact cgacacgaca tacatccgag gatccatggc ggcgatcctt 120
tccgtcctcc aacactcttc gtgcccccaa aacaccttct tccacttcgt gtgctcctcc 180
aatgacaaca ccaacgcgtc cctcctacgc gccacaatct ccaacacatt cccctacctg 240
aatttcca 248

<210> 39381
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700943140H1

<400> 39381

gaaaaaagga aagggagaag aatccgataa ttgaggggtgc ggtgtgtggt gtgtagtggt 60
acagagatgg acgccgtagc aacaggttcg gagctgaaca agtccggaag cggaggttcg 120
gaacgaagcg aggacagcgg aggagctgga ggaggagga tatttgagta ctctgggtgg 180
gttatcattt gggagtgaat tccattggcc atgagtactg tcctctccga ttcctcttca 240
ttagg 245

<210> 39382
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700943143H1

[illegible]

<210>	39383
<211>	243
<212>	DNA
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<400> 39383

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<212>	DNA
<213>	Glycine max

<400> 39384

<210>	39385
<211>	243
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700943146H1

<400> 39385

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 caattgaagc agttgacaaa aaagcgatcat ggaagacacc ataaacatga ttgtttatgt 120
 gctattttgtg ttctaaagcg acgtaggaag gaacgggaag agaattgctcg aattgctaga 180
 ggaatttttg atctagtggg gataagcatg ctaatgagga atcaatacaa gtagagagtc 240
 ccg 243

<210> 39386

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700943147H1

<400> 39386

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 gcaatgattt ttgaagagga aaaaaaagat tcggaccact tccgaagtag ttccttaacc 120
 ccgattagtc atttgcatcc tccaattttg atggaatatg tttaatctat gatttcgttc 180
 tcttaatgct ttgaagttta tctaggggtt gctattgcaa tttggtatca gaagattgat 240
 taacc 245

<210> 39387

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700943148H1

<400> 39387

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 ataatgagat tagaagtgtc cgatccagta tatattccat gagaaacata ctcaagaggc 120
 tttccagtgt aaactacatg actctggagt ttataacagc acttctactc cgtgttagcc 180
 agaaatcact tctcaataag atggatgctc ggagccttgc tatggaaatg gcacctgtta 240
 ttatg 245

<210> 39388
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943149H1

 <400> 39388

 agctcatcct tgagttaaaa aatggcagca gcttcttcca tggctctctc atcccatcc 60
 ttggctggca aggccgtgaa gctgggcca tcagcccag aagtgggaag ggtgagcatg 120
 aggaagaccg tcaccaagca ggtctctca ggaagccat ggtacggccc agaccgagtc 180
 aagtattggg ccattctctt ggcgagcccc ggtcttacct aaccggtgag ttcccaggcg 240
 a 241

<210> 39389
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943151H1

 <400> 39389

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 tcgtcacatt attcttgaaa ataatgataa caagcctgtg acaaacagtc gagatactca 120
 ggaggtgaag ttgggacagg ggggtgaaat gttgaccatt tttaaaaact atgaaactga 180
 tgtgtccatc ctggatgatt ttgattttta tgaagaccgg cagaaggcta tgcaagaacg 240
 gaaggca 247

<210> 39390
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700943152H1

 <400> 39390

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 actcctccga tttctccgtt ttccggagga aaagattcgc ttcggtttcg aagaaggctc 120

ggatctgatg cgtacgagaa gagagggcag aacagatcag gcccttcttc tcctttcgat 180
 gtgtgacgca ttttctcgta cctgaaagct gaggatgtag cagctttttt ggcctttgct 240
 gtatt 245

<210> 39391
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943153H1

<400> 39391

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 ttcttttttt gtccctttga aaagctaagg aattgctgaa ttgggggtatt acatgaaacc 120
 ttctgcaagt ggttcataag tttcctcttc tctgttcttc ttagaacaaa taatcaaata 180
 gaacctcttc aagttgagac aagagtaatg gcagccctat agtaattaga caatatcagg 240
 acaa 244

<210> 39392
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943154H1

<400> 39392

caagtactct gcagttgtcg gcaatgatga tgcagatttt agtctttttac cttttctttg 60
 atttcagcca tgattgttcc ttgcatgggt ctagttttgc ctttcttggt caagaacttc 120
 gcaagatata caaagaggca catgttagca ttgctgctct ctcagcttat ctaaagtagt 180
 tacttgaatt ttcaccagaa ataatcttaa agtgcagca ttgtttgccc aatttgctat 240
 tcg 243

<210> 39393
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943116H1

<400> 39393

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 cacctacaac ttgtccacct acaaccccaa ctgcaacatc tccatcttcc agcacgccac 120
 tggcgacaca acacaaccac ccacagtggg ggcattccct cccaccacga gtacaccatc 180
 aaccacatcc cagccacctg caaatgtagc tcccaaacct gctcctgtga aaccatcagc 240
 tcccaaagtt gcac 254

<210> 39394

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700943079H1

<400> 39394

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 ctgtccgatc tgaaaagcag cggagaagac taccctggct ccgactaccg tccccaagac 120
 agaaaaaact ggatgtccca tctcgaccct cagaaaactcc gcatcaacca aatcgtctgg 180
 cccggcacc acgactccgc aaccaacaaa attggcatcc ctctcctcac tcgccccttc 240
 gcccagtgcc aatccctctc catctaccg 269

<210> 39395

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700943082H1

<400> 39395

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 ggagtcgccg ccggacgatt ttgatccggc gaatccgtac aaggaccggg tggcgatgct 120
 ggagatgagg gagcacatcg tgagagagaa gtggatccaa atcgagaagg ccaagatcat 180
 tagggagaag ctccgctggg gctaccgcat cgaaggcgtc aaccacctcc agaagtgccg 240
 ccacctcgtc aaccagtatc tcgagteccac 270

<210> 39396

<211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943083H1

<400> 39396

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 cggttaatag ggtcgcaatc ggttgcgggc atgataatga gggtttattc gttgggtccg 180
 ctgggcttct tgggcttggt ggtgggcctt tgtcattaac ttcacaaatc aaagcgacgt 240
 cgttttcgta ctgttttagtg gatcgca 268

<210> 39397
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943085H1

<400> 39397

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 ctctcttcat ttctcattga ctctctcttt ctctctctct ctgcacagtg ccaatggcgg 120
 atccaatcgc gaaggctctg atcgcgtttg cgctcttagc ttcccttttg ctgtgcttgc 180
 aagcttcctc cgatgtcccc ttcacgtcgc ctcaaaaaa ggccctccctc aacagactca 240
 agtccggcgc cgaaaggggc tccgtcacca 270

<210> 39398
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943086H1

<400> 39398

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 agattgtatt ctattgctag cagtgccatt ggtgattttg gagattccaa gactgtttct 120
 ctatgcgtga aacggctagt gtacacaaat gaaaatggag aaattgtcaa gggagtctgc 180

<213> Glycine max

<223> Clone ID: 700943092H1

<400> 39404

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tccggcgata actctccctt ttccggcgaa ttcaccgctt cctcgatatg aatccccgagt 120
atgactatct gttcaagctc cttctgattg gagactctgg tgttggtaaa tcatgccttc 180
ttctaagatt tgctgatgat tcatacattg agagctacat aagcaccatc ggagttgatt 240
ttaaaattcg cactggtgag cag 263

<210> 39405

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700943094H1

<400> 39405

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cgaattgccc tctcttcttc actcgaagct caaacaagca cgctttccgt ttccgtcgtt 120
ctcgttcaa aaccctacct tccgtcctgt tatctgcaga gcctccgagt caccaccgt 180
tccacctaag aagcgttcta ctaacaacag aaacgctaaa aacaacagca aaaagaacag 240
taagagtaac tctgtcactg ttgattc 267

<210> 39406

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700943096H1

<400> 39406

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cgatgtgggt ttgtccaatt tgcagacagg agctgtgctg aagaggccct tcgggtggtg 120
aatgggacgc tgttgggtgg aaaaaatgtg cgtctttcat ggggtcgcag tccttcaaac 180
aaacaggctc aggcagatcc aaaccagtgg aatggtgctg ctggtgctgg ttctggtggt 240

ggatattatg ggtatgctgc tcaagggtat gaaaa

275

<210> 39407
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943101H1

<400> 39407

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 caattggata acggacaaga aattgccgtg aaaagacttt caaaagcatc tggacaagga 120
 ttggaagaat ttatgaatga agttgtttgt atttctaaac ttcaacatcg caatctagt 180
 agacttcttg gttgttgtat agaacgagat gaacaaatgt tggatatga gtttatgcca 240
 aataaaagtt tggattcat 259

<210> 39408
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943102H1

<400> 39408

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 agcctctgtt ggaaatgcga tgctaagggt cacagtgcga acttctctgt caccaaact 120
 cccaggattc ttctctgcca tgtttgtcaa tcactaacag cgtggcacgg caaaggacce 180
 aagtttgtag ccacaatgtc agtttgcaac acttgtgtca acaacaatag tactgagact 240
 ggaaccaaca gaatcat 257

<210> 39409
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943103H1

<400> 39409

aaatgttccc agatagtgat tttctgaaca aagaaattga aattccaatc cctgggttcc 60

atccctacag gctcaacctc ttcaggttgg tttggaggac aatatatgta atgttgagca 120
 ctgtaatatc aatgctcctc ccattcttca atgacatagg tggacttctt ggagcatttg 180
 gattttggcc cttacagtgt atttcccagt ggagatgtac attattcaaa agagaatacc 240
 aaagtggagc aca 253

<210> 39410
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943104H1

<400> 39410

attaagcaac acacacttca atttatcagc atggcctcgg ttcagtgcc aaaaacctgc 60
 aaagtgagct gccaacagga aaaccagcac gcctcgtttg ggcagaaagt ttctgacttg 120
 ttcaaagggc atcaacataa tgaccacagc tccaattatg ccacccaaac caaagtgcct 180
 tcccagtcag ggtcaggggt agggcccttc accaccaaaa ctcaaacaca atgcgggttg 240
 ccccaaacac atct 254

<210> 39411
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943106H1

<400> 39411

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 tgcttgctgg tccttactta tacgcggatg atctgattga agtcttgaag aaaaagcatg 120
 cttctggaac atataaaaac ctagtatttt atctggaggc atgtgaatct gggagtatct 180
 ttgaaggctt tttcctgaag atatcaatat ttatgcaacc actgcttcca atgcagaaga 240
 aagtagttgg g 251

<210> 39412
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943107H1

<400> 39412

gcaatcacag ctagccactc ctccaacacg ggccattggt cctagtgtg gaaccagtgc 60
 tggaatgccc cccgctgtta ctaatgtga taggcataca ggaggggaag aaggtagacc 120
 tctgtctttg gtttcagtgg attcctcgag gcgcagaatg tcagggccca ttttaaatac 180
 tttatcaagt gccaatgcct tgggtcagtc aagtggatca tctaggaggg ttgctgtctc 240
 tagtagccgt 250

<210> 39413

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700943109H1

<400> 39413

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 tctacgccga gttccgggca gaagaatgga tcaggagggt gttttcttag tggaaggaaa 120
 ttgaggggtga aaaaggagag agcagcaatt ggaggacgat cgatgggcac tacagtgtgc 180
 gcagttgctg agcctgacag acctctatgg ttcccaggca gcacccctcc tccatggctt 240
 gatggcactc ta 252

<210> 39414

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700943112H1

<400> 39414

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<223> Clone ID: 700943114H1

<400> 39415

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<223> Clone ID: 700943115H1

<400> 39416

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gaaattgat 249

<210> 39417
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700943078H1

<400> 39417

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tttacctcag agtcggtgaa cgagggacac cctgacaagc tctgcgacca aatctccgat 180
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<210> 39418
<211> 274
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<223> Clone ID: 700943042H1

<400> 39418

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<223> Clone ID: 700943043H1

<400> 39419

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aaaactgctg ctgctcccat tgaacgtgtt aa 272

<210> 39420
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<223> Clone ID: 700943044H1

<400> 39420

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 ccttaggttc caagttccaa gttgaggggt gaatttgaaa cactaaattg gtgcattcaa 180
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<210> 39421

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700943045H1

<400> 39421

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 tatectttgt atggtttagg agagcttccc caggcatttg cacggcttag tgctgtttat 180
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<210> 39422

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943049H1

<400> 39422

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 ccaacatcgc ttgcaagaag gccgatgttg acatgaacaa aagggtggt gagttgagtg 240
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<210> 39423

<211> 275
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 <213> Glycine max

<223> Clone ID: 700943051H1

<400> 39423

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<210> 39424
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943052H1

<400> 39424

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<210> 39425
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943054H1

<400> 39425

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 gagatacttc aggttgggca attggtactg attatagcac ttggactggc gacaagatct 180

tttcagtggg tgatagtctc gcgttcaact atggagctgg gcacacagtg gatgaagtta 240
aagagagcga ttacaagtcg tgcactcgca ggaat 275

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<212> DNA
<213> Glycine max

<223> Clone ID: 700943055H1

<400> 39426

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tgcctaagaa ggaacttaga agtacacctg ctata 275

<210> 39428
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<212> DNA
<213> Glycine max

<223> Clone ID: 700943058H1

<400> 39428

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<223> Clone ID: 700943060H1

<400> 39429

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 gcccaagagt ttactgctct ggacagccct gccttcagtg tggtaaatcg gacattccta 180
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 agtatcaagg caacattgat ggagctt 267

<210> 39430
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943061H1

<400> 39430

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 ccgaacaggc cgagcgatac gaagagatgg tggaatcaat gaagaacggt gcgaatctcg 180
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<210> 39431
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<223> Clone ID: 700943063H1

<400> 39431

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aagacaccac accatggaag ggagagtgtt gttgctattg caccaacccc tatgcacaag 240
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<223> Clone ID: 700943065H1

<400> 39432

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<210> 39433

<211> 189

<212> DNA

<213> Glycine max

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<400> 39433

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 <223> Clone ID: 700943068H1

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<210> 39435
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 <223> Clone ID: 700943069H1

 <400> 39435

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<210> 39436
 <211> 86
 <212> DNA
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 <223> Clone ID: 700943071H1

 <400> 39436

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<223> Clone ID: 700943072H1

<400> 39437

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<210> 39438
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<223> Clone ID: 700943073H1

<400> 39438

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<223> Clone ID: 700943075H1

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aaaatctgaa tggttgcacg gaagattgt 269

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gcgtacaccc gggcacctgg tgctaatgct gc 272

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<223> Clone ID: 700943005H1

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<223> Clone ID: 700943015H1

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<223> Clone ID: 700943020H1

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<223> Clone ID: 700943022H1

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 cccattccat gggaccact atcatcggcg ttacttaca cggcgggtgtc gttctcggag 180
 ccgactctcg aaccagcacc ggagtgtatg ttgccaaaccg agcatcggac aaaatcactc 240
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<213> Glycine max

<223> Clone ID: 700943024H1

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atgtatggtt tgctgatga aattgtctat gtatttgatc agagtggaaat aataagtagt   180
agaaaatgaa tgtaatttat gttatatgtg aactgatgtt tttagttcaa gagtttcatc   240
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<210> 39454

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943026H1

<400> 39454

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ctatctcccc aagatgtcga gcgccgatcc cgagcacaga gaagaggagg aggcacccgc   120
cgttggcgac gacgaggaca ccggagctca cgtcgctcca atcgtcaagc tcgaggaggt   180
tgctgtcacc accggcgagg aggacgaaga tgcaatcctg gatctcaaat cgaagcttta   240
ccggttcgac aaggacggga accagtggaa ggagcgt.                               277

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<210> 39455

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700943028H1

<400> 39455

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tgtcaatgaa atttctggag cgggaggagt tggctaatta taattttcaa aatgaattta   120
tgaagccttt cgtcattgtt atgcgcaaga gtagtgctgt tgaaattaga gaacttatca   180
ttagatgtgt ctctcagatg gttttatctc gtgtcaacaa tgtaaaatca ggatggaaga   240

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gcatgttcat ggtattcaca acagcggcat atg

273

<210> 39456
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700943029H1

<400> 39456

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tcagatcctg aagatattgt ggataactgg ggtcttagtc cccgcgggtgc tggttactta 120
tttggtgga gtgttggttac ttcctttaac cactcaaata acattgacta tatatgtcgt 180
gcacatcagt tggtaatgga aggatataaa tggatgttca ataaccagat agttactgtc 240
tggtcagctc caaattattg ctacagatgt gg 272

<210> 39457
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700943031H1

<400> 39457

tcctcatgg atcatgggtc ctcttgctct cttgctgttt ttttccagtt attacaaact 60
ggttggattt atgttcttct cctctctcct cttcacatcc ctagcactgc ttttgtctac 120
ttttcttctc ttcattgtgga agcacaaggc tgaaggaatt ggtttcagtt ttgaggagaa 180
gaagacacca caccatggaa gggaaagtgt tgttgctatt gcaccaaccc ctatgcacaa 240
gaatgttgaa actattgtga cacaagcaaa gggaa 275

<210> 39458
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 700943033H1

<400> 39458

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tataaatcct tcgtggtttt tggtagacct ttgggttcta tagtgagtgc aaggtaaccc 120
actttggatt ggaaggttgt cgcaatgggg aaggttgtgt tgttgtttct ttgcatgggtg 180
ttggtggtgg tgtctttggc ttgtgctgat tcaattgaga agcttgaggt tcagaagcac 240
ttgaagaact tgaatagacc tcctgtagg tccatcaaga gtc 283

<210> 39459
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700943034H1

<400> 39459

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ggccacgtca agttcattcg atgctccaac tgcggcaaat gctgccctaa ggacaaggct 120
atcaagaggt ttctggtgag gaacattgtt gaacaggctg cagtcagaga tgtgcaggag 180
gcttgtgtct acgaacaata cacgcttccg aagctgtatg tgaagatgca gtattgtgtt 240
tcctgtgcta tccactctca tgttgtgagg gttcgatccc 280

<210> 39460
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700943035H1

<400> 39460

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atgttcgtca agaccctcac cggaaagacc atcacccttg aggtggaaag ctctgacacc 120
atcgacaacg tcaaggccaa gatccaggac aaggaaggaa ttcccccgga tcagcaacgt 180
ctcatcttcg ccggaagca gctcgaggac ggccgtaccc tcgcccacta caacatccag 240
aaggagtcaa ctcttcacct tgtccttcgt ctccgtggtg 280

<210> 39461
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700943036H1

<400> 39461

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gtatcatcgg actcggggcg ggttgagaaa tcaaaaccca gaagtgggtc catcaacgac 120
gatcagaagc tgaacaacgg tgtcttcaac caccaagata gagttcctgg cactatgccg 180
gtgcccaata gcaattataa ctacaatgcc caaatgggtc agatgcacgc aaatgggggtg 240
aacaatgatg ggtatgggat gaatgggggtc atgag 275

<210> 39462

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700943037H1

<400> 39462

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tctcattcat tcataatgca ctaatcataa caacaccgtt cagctcaaca acaaaaaata 120
aaataaatca taacaccgtt cgttcatcaa tggcgggtcc gctgcattcc tagattgctc 180
tctttttcac caattttcat tcgttgcggtg tgtatgttcg ctgagtgcgt tagttattac 240
agcaatggag ttcgagcacc ccaccgcgac gcctctc 277

<210> 39463

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700943038H1

<400> 39463

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aggctattgg ggtaacaaga tcggaaagcc ccacaccgtt ccctgcaagg ttaccggaaa 120
gtgtgggtcc gtcaccgtcc gcatgggtcc cgcccctcgt gggtcgggaa tcgtcgccgc 180
taggggtccc aagaagggtc tgcatgttcg tggaatcgat gacgtcttca cttcctccag 240
gggttccacc aaaaccctcg gaaatttcgt caaggc 276

<210> 39464
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943003H1

<400> 39464

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 cttcatcaga ccgaccacgc ctaaattcca atttcccccc attaggggtt ctctctctcc 120
 aattcatgtt ctctttttct taattcattc tcttctattc gattcgattc ttctatggaa 180
 ccgcagcttc agcccaagct ggagcccgcg ccagagcttg tgagcgctgg cgctgaggat 240
 tccgagaagt cgcattgtcag tgatgtcacg gaggttcg 278

<210> 39465
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942964H1

<400> 39465

gcaggcagtg atagcaaaga gaagatcatt tcataatcag actcaccgta cttcgccatg 60
 gctgctgttc cctctacttt cgctctaacc aaatctgcat tgtccataaa caagctggac 120
 cactctctgg tcaagatcaa accatacagc ttctctctga atctaaaccg tctagggagg 180
 atggaaacat ctttaaccag aaggcctcta acaattcaag ccacatatag tgatggtgga 240
 aggccagca gtgc 254

<210> 39466
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942965H1

<400> 39466

attgtattgg agaaggaatg aatacataca aatgccaaca aaggtttcta ttattacatt 60
 tggggaagaa taaatcaggg aaagagagta atattcaata aaaacctttg ttggcatttg 120

tatgtatttta ttgtattgga gaaggaatga attacttaaa gaatgatata tagttcaaga 180
attggacgag agaaaaagag aaaaaagggg ggcg 214

<210> 39467
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942968H1

<400> 39467

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acaaagaccc ttgtagagag atccattttg aaagtgcatt cattccgaat ttgatgttgt 120
tggttaaagt tgtcaagttg gacttagttt ccttaccacc aaaaaattca ttagcaagtg 180
taataatcct cctggaataa tttttccatc tgctattagt tttccacca aaaacaaatc 240
aggttcaata tgtgatggaa 260

<210> 39468
<211> 67
<212> DNA
<213> Glycine max

<223> Clone ID: 700942969H1

<400> 39468

cgaaaatctt tgtttctctg ttgttatggc tgtgaattta catcaatgga ttgtatttgg 60
tcttcac 67

<210> 39469
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942970H1

<400> 39469

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agtggataac acggatatca aacttggttg aattgattac ctatctgttg cttcttatga 120
ttacttgatt ccatctcacc ttgtttttct aaaagacagg gagatcattc tcgtggaagg 180

cttgaagctt gatgatgttc cagcaggatt atattcagtc cattgcttac ctcttaggtt 240
 ggctgggtgct gagggatcac 260

<210> 39470
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942972H1
 <400> 39470

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 attctattgc ctttctttca cgtttttctg gtttttaagc ctttccagtg ccctattttac 120
 gcttataccc ttctgggttat gatagcttcc attcggcgtc accagagagc cgaagctctt 180
 ggcttccaca catactttcg gtcccgtcga ttgagataca aagcctccaa gccagccgag 240
 ccaatcctca aattccaact tta 263

<210> 39471
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700942973H1
 <400> 39471

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 gtaagcgcgt cccgccggat ccgacgtcgt ttcgtgcgcg ncgtcgtcca agaggggacta 120
 cccctcctcc tctcctacg cgggtggtggc gcgtcggaat tcgaactcgg agaagaacgg 180
 cgttgatttc gacagtgcg aggaggagga ggatgctcag tagggggtag ccagctgagt 240
 agggttctta gactgcta 258

<210> 39472
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942974H1
 <400> 39472

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 agtcgtttga agttgatgca gttggagcaa gagcttgaac gtgcaatata gcaggggaatg 120
 tatatagtcg gtgggttgga ttctaatacat ctgggctttg ctggatcagt aaattcagga 180
 attacaacct tcgagatgga ggtatgacat tgggtaaatc actaaagtag tccaatcaga 240
 gctctggggtt atgttt 256

<210> 39473
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942975H1

<400> 39473

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 gcagataatc accctttgca actgcaaaga ggatgtcata agaaagggtcc atgctgtaat 120
 tgataagttt gctgagcgtg gacttcggtc ttaggtgtc gcaagacagg aagtacctga 180
 gaagtcggaa gatagtcccg gtggaccatg gcaattgggtt ggttctctac gattgtttga 240
 tcctcccagg 250

<210> 39474
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942976H1

<400> 39474

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 ggcgttttgt ggatattatt gaaagagaaa gggtttcgtt gacaaagata aagtatcttg 120
 ctttgatga ggctgatcgt atgttggaaca tgggttttga acaccaaata cgcaagattg 180
 tggagcaaata gcagatgccc tcgccaggta ttaggcaaac attgttaggt taaagccacg 240
 tttcctaata atatac 256

<210> 39475
 <211> 257

<212> DNA
<213> Glycine max

<223> Clone ID: 700942977H1

<400> 39475

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tggttcctttg tgattgattg gcttgccaat cttggagaag gctgtgctat gttaaaaatt 120
caatagtacg atatgaagtg tgcattgacac caatcaggta gactacttca ctgatctggg 180
ataccacatg tgggtcttggtg acatgccatg gtatttgcatt ggtctatgtg tatagtgaaa 240
gttgaaacat ttgttgc 257

<210> 39476
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700942980H1

<400> 39476

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aatgataatg attaatgagc ttgtttacta atttggtgtg tcaaggacat gctttatgat 120
ttgttaaatt gcatttgga ttaatacctt gtatgttttt tgtaagagga attctcagcc 180
aattttaaca aaagatgcag gaatccccag agccaagaca tgaattttgg ggtggccaac 240
gagtacatgc atct 254

<210> 39477
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700942981H1

<400> 39477

tcaaactagt gatgcagttg atgtttactc cgtgctacag cctggaatta ttgatccata 60
tacagaagat cacaatcctg gtggaaatcc gaccttgga gtttttaata atcccagtga 120
agatgatttt gggatgcccc cctctggcc attgcaatct ggaactccgg cagtctcagg 180
attccaatta ttcagttctg aagtggagga tgtttcagat gcattgattg atttgcattca 240

tggcaatatt aattggt

257

<210> 39478
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700942982H1

<400> 39478

taggtaggaa ccacaatttg tatggtagga gggaagggtg gagaatggct tctggtgaga 60
tgagcaatgt gggacttggt gatcatcttg atcgctcttg gccaccggcc cggagtcacc 120
tccattcggg ttccgggaat gagaccagtg gcattgggtga agttgggtgt agtgatagta 180
agcacaaggg aaatgggcca ttgtggatgg gaggtgtttc ctgagtcctg tggaagggtt 240
gctgatgttc gag 253

<210> 39479
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700942986H1

<400> 39479

gaaggaacaa aagtgaacag tgatcagata aacaagaagg ctgaggcaga gttgactgtg 60
aatggcaatc ttgggagctg aactggtgag gtcaaagcc tggagcaggg aatagattaa 120
taagctctca gcattctctt tctcattctg gcccctttaa atctgtttga aaatgactag 180
tttttgtaa tgttatttat ctgattgttt attaaaacaa caatatacgt gtatagagca 240
tagccctatc gtg 253

<210> 39480
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700942988H1

<400> 39480

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tctcagtcac caccatcgca gcagcaagat gtggaaccaa ccattcggaa aaaccgattt 120
 ggaaagcggg tctcggcctc tgtatccgat gatgctcgag agccctgaac tgcggtgggc 180
 gttcatcaga aaagtgtact ccataatcgc catccagttg ctcgtaacca tcgctgctcg 240
 cgccgctcgtc gtcaccg 257

<210> 39481
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942989H1

<400> 39481
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 ttggccaaac actcccatc ccaactgcact gcgagagctt ctaaagcctc tccctgcagg 180
 tggtgaaatc gatgaactcc ctaagcaaatt tgatgataca cagtacccaa aaacattctt 240
 ctataaagaa gaccttca 258

<210> 39482
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942990H1

<400> 39482
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 tcctaaaagt tgaactggct tttcttcttt tcttgagtt gttgccaacc aaattattcc 120
 tctcttcact tactactact ttcttctttc tttctccacc tgaagtagtt ctccacaact 180
 tggaagggtga tcatctccaa ttttccatca tggctactga gacttctgca tctgatcatg 240
 gctctatt 248

<210> 39483
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942992H1

<400> 39483

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gcatataaag ctgcccgaga ggaacatgaa cacactaatg agttggatga aggggataag 120
gtgtcatcag cactcattgg gagagttgat gctatgcttc aaaatcttga gaaggaaata 180
gatgacgtcg atgcaaaaat tggtgaccgt tggaggctgc tggacagaga ttatgatggg 240
aaagtaactc ctgagggg 257

<210> 39484

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700942994H1

<400> 39484

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aagttttgtt gccatggaag cagagttgga taccgagcag cagcagcaaa tgacggaagg 120
aagctattcc caaactatgc aaattgatcc aaaaagggtc cgatttccat gtcctgttgt 180
gtggtcacca cttcctgtaa tctcgtgggt cattccttgc attggtcaca ttggcatctg 240
cagagaggat gggg 254

<210> 39485

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700942995H1

<400> 39485

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agtccttgat gggattcagg atcctggtaa tcttggtaca ttgctcagat cagccgtggc 120
cttcagatgg gatggagttt tcttctccc cggctgctgt gatccattca atgagaaagc 180
tcttcgggct agccgggggtg cctcgtttca gtcctctgtt gtttctggca gttggaatca 240
cctggagt 248

<210> 39486
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942996H1

<400> 39486

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 attgaacccc acaagcggaa aaagagaaaa aaaaatttgg gtatcagatt cagaagccca 120
 cgcgaaactg gggggccttg gactaaacgg cggggaggtt ctcccagcgg aagggtcaa 180
 ggtcttcgga aacggggcaa taccggcgga gcgtgacctt gtcgttggag gcggccacgg 240
 agccaaactc ga 252

<210> 39487
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943001H1

<400> 39487

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 aggagatgga gaaagtgggtg aggcgcatgt gggatgtgta tactcaaagc aagagtggca 120
 ggggaagtgg cttacctcgt ttttggagtg atgcttttca tgcggcttac gaccacttgg 180
 tcagtgatgt tcagagcgtc cgagatgctg ctgtctccga aattgccaaag atatccctcc 240
 attctcttcc tctgcaccac ctcaaatac attccattgt gcagaatatc a 291

<210> 39488
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700943002H1

<400> 39488

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gcagctacac caccacgtcc aattcgcttt tagtggttgc ttctcttcc ctctccagtc 180
 ctgccaaaac caagttcctg ccctcacttt ctagattttc tgtcaagcgt ctctgcttcc 240
 tttcccaaac tcgtccgcac atttccgtga acaagccctc catgaacct 289

<210> 39489
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942963H1

<400> 39489

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 tgacctgata catgtggcaa gcatggaatc acttgtaaag gatccagcct ctggcagaaa 180
 cagatgtacc cttcttgatt tgatggtgga actcgatcga attttacgcc cagaaggcac 240
 tgttgtggtg agggataccc ct 262

<210> 39490
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942925H1

<400> 39490

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 ttccccatcc ttggttgga aggccgtgaa gctgggcca tcagcccccg aagtcgggag 120
 ggtcagcatg aggaagaccg tcaccaagca ggcctcctcc ggaagcccat ggtacggctc 180
 agaccgcgtc aagtaacttg gccattctc tggcgagccc ccgtcctacc tgag 234

<210> 39491
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942926H1

<400> 39491

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 aaaacatggt atgttgttga tgctacagac aaagttcttg gaagactagc atcgacgatt 120
 gctattcaca tccgagggaa aaacttggca acctacacac ccagtgtgga catgggtgcg 180
 tttgtaattg tggtaaattgc agaaaagggt gctgtatctg ggaaaaagag gagcgtaaag 240
 caaaacagga ggcac 255

<210> 39492
 <211> 164
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942927H1
 <400> 39492

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 tgaccaacaa tggaaagttt gtgcgaacga acaggttcac ttgacagtag ctacaattct 120
 gttactgcca agatcagctc agcttattca gaagacacag atga 164

<210> 39493
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942928H1
 <400> 39493

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 cgtggaatac agtttcgggtt cgtcacctct gtggcacagc actataaata atcctcaagt 120
 ttctacactt tacctctccc aggaggaaca gcgcagaacc taaccctcac gaaagccctt 180
 ttcgattccg ataactctcg ttgttccgaa accctaacc taaccgggtt ttttcgtggg 240
 ggtggattga attggcatct gatttttttt 270

<210> 39494
 <211> 189
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942929H1

<400> 39494

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 gaaaaccccc atttcttttc ttctttcttc ttctctttcg cttcttcgat cttcgatctt 120
 cgtcgtctgag aatgagagag tgcattgcaa tccacatcgg ccaggccggg attcaggttg 180
 gaaacgcct 189

<210> 39495

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942931H1

<400> 39495

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 agcggcaggt attgctggag gcaactggagt catgccggga ggtaatgttg gggctgatca 120
 cgctgtgttt gaacaagggtg cttcagcagg aaatgttggc aatgataaag tagtagaaca 180
 acagaaagcg aaccagtggt cactccttct ctcgtcggcc atgatgctta gacatctcca 240
 gtttcttgca tttgctgacc gatt 264

<210> 39496

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700942933H1

<400> 39496

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 gggtttgaga tttcagcact gattggga 88

<210> 39497

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700942934H1

<400> 39497

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 ttgaatgggtg cagagattgt tttcaaccct tctgccactg ttggtgaact aagtgaacca 120
 atgtggccaa tagaggcacg taatgctgca atagctaata gttactttgt tgcttcaatc 180
 aaccgtgttg gaactgagac attccccaat caatttactt ctggcgatgg aaagccggca 240
 catgcagatt tcgggcactt ctatgga 267

<210> 39498
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942937H1

<400> 39498

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 aaaccgttgt tgaagttaaa gcccttgaga aggctttaga ggaagttgaa aagaattttg 120
 taacaatgag aaccatgctt tctggagacg gagagtcaga accaaatttg gaccaggttt 180
 cacagttagt ggaggaaatc tgcaaggagg atgttctcac tcttctaatt cacaagctgc 240
 ctatactagg atgggaagca 260

<210> 39499
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942938H1

<400> 39499

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 aaagtgcaaa tttctaattt ttcacgtatt gggttcttct ctgttccctc ttcgtctccg 120
 atcgatccaa ttctcttccc atggcgacga tcggacacaa caatctcaat gccaaagttgg 180
 ttcttctcgg ggacatgggt gctgggaaat ccagcctcgt tttgcgcttt 230

<210> 39500
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942939H1

<400> 39500

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tgaggatcac aagctagagt tatcagttaa ggtggaaaac atcaagataa gcatgaaaga 180
tggcatctaa agactatgga gaattaacat tgaaactgat aggaaaacaa attctatttt 240
ggcaatccag tcgcatca ataatgatcc c 271

<210> 39501

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700942940H1

<400> 39501

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cgtctcttcc tcttctcttt cgatccatcc ctcattccta atcctccaat ccaaccacct 120
cagcctcaca ctcacatata cacatatctg aacgcgtatc gtccctccta tggcttcaaa 180
gcgcatectc aaggagctca aggacttgca gaaagaccca ccaacttctt gcagcgctgg 240
tccagtagct gaggacatgt tccattggca 270

<210> 39502

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700942942H1

<400> 39502

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ccccacctt ctctccgtgg aagcggttcg ctgtaaacga caacaacaag gagagtgaca 120
acggcgatgt tttgactggg ttggatgaag tggagaaaga ggcgcgtgga aatagcacca 180
tgcccgaacg ctttaggtac ctcgccaaag aagttccgag tcttctgtt aggtggccat 240
ggcttggtgt actggctttt ctggtctatt 270

<210> 39503
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942946H1

<400> 39503

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 agtcaagttc aagagaagaa gagagggaaa aaccgattac cgtgccagga ttcggttgat 120
 taatcaggac aagaacaaat ataacactcc gaaataccga tttgtgggtc gctttagcaa 180
 caaggacatt gttgcacaaa taatatctgc tagcattgcc ggcgatttag ttcttgctac 240
 agcatattca catgagctgc cacgatat 268

<210> 39504
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942947H1

<400> 39504

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 acctcccccac ttctttctctc ttgccatct tcccactcca attcacagat ggaaccttcc 180
 caatctgccc accaataaccg agctgtggat caagcgagac gacctttccg gaatgcagct 240
 gagtggtaac agagtgagga aattgg 266

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 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942948H1

<400> 39505

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 cggagtcoga tctcgattac gagcttcgct atctcagtct cgccgtaacc gataccttca 120

<400> 39508

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 ctaaggggag caaggggtat catcatcaac agcattctca ttctcatcat caccatcacc 120
 accatcagcc tcattatcag aggaaggaga agaacaagta ttcctccggt ggtgggtggac 180
 catcacatgg aagtgggtcat ttgatggcgc cctcgggctc tgctgtgggg ggtttcaacc 240
 ctgggtgtgcc ggcccagggg ttga 264

<210> 39509

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 700942954H1

<400> 39509

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 ttgaatctat aggacttgaa aacactttta cccctgggag tgagaatctg catcatcgaa 120
 ttttacaatc acaagccaca atcctcgga 149

<210> 39510

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942956H1

<400> 39510

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 tgggttcaat tgaatcaaca tgagcaacag aaaagataat actgatgatg agtctagtga 120
 aagaggtata ttttcacatc taggctatcc aagtgcacca ccctaccctc ctccacatgg 180
 atacccacca tcaggctatc cacctccagg aggggtatccc ccaacagcct atccaccaac 240
 agcatatccg cctcccggag tata 264

<210> 39511

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942957H1

<400> 39511

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ccgcaattcc gccatcaatg acctcgccct ccacccctcc ggcgagcggg cctcactgt 120
cggccgcgac gagtgcctcg ccgtggtgaa cctcgtccgg gggcgccgga actgctgcct 180
gcgcctaggc aaggaggcga gtctgggtcaa gtttgatgcc tctggggatc agttcttcat 240
ggcgggtgaag gagaaggtct ccgt 264

<210> 39512

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942959H1

<400> 39512

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tgtatttgat ctcaagaatc tgagtgggcc tgtttctgca actctttact tgggatattc 120
cctcttcatg gttctagcaa tcatgttggc tacaggcaca gttgggttcc tttcctcatt 180
ctggttcgtg tattacttgt tctcttcagt caagttggat tgaagactct tcacagttaa 240
aaaaattagc tctacagaga aca 263

<210> 39513

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942961H1

<400> 39513

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gggccctcag caccaaagcc tagacaaaaa tgcattaaca atctggcttg atagaacctc 120
aggaagtgga ttcaagtcag taaggccatt tcgatccggg tactttggtg cttccattaa 180
ggttcaacct ggatacactg cagggtgttat aacagctttc tatctctcaa acaatgaagc 240
acatcccggg ttccatgatg aagt 264

002200"ETTES00

<210> 39514
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700942962H1

<400> 39514

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tttggagtca tgattaagaa aggagatgga ggtgatgtgt ataaaggagt cgnaaaggat 120
tagaggggtg aagatgttaa tgttgataag ttttttgctg gtttagttgg aaataagtga 180
gcactgagtg gtggcagtgg gaaggttggt gagagtgggt atgatgatga tatatttgta 240
tagtatactg acgatggagg tgggtggggt 269

<210> 39515
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700942924H1

<400> 39515

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ggccgctgcc aagaagaagt gattgcattt gggcaatttt gctagcacat gtgatcatca 120
tcgtgggttac tcctttatag tagttttatc cttgcagagt cttaggtggt ttgcttaagt 180
tatatgttta agtttctgcc gatttcatgt agccggaact ttcaaaacta gggctcttgat 240
cggcggtgg 249

<210> 39516
<211> 157
<212> DNA
<213> Glycine max

<223> Clone ID: 700942890H1

<400> 39516

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tcttattcat ctaatgttga tgtctttgac actggcaagt acaccgcaa gctgctaagg 120
gttgaatctg aatcagaatc atatacacac aacaaca 157

<210> 39517
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942891H1

<400> 39517

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catgttttct tgctattggg atggccatca tactatcttc atggtcagag aatttcgggg 120
atccttcaga gaacaaggac ttgcttacct aatttagggg tgctgctgtg gccattgctt 180
ctgatgaaaa gatagccttg ctgggtgcca tacagtctct ctttgaaggt tcaatgtaca 240
cctttgtgtt tctat 255

<210> 39518
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942892H1

<400> 39518

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ttctcagaag acaactcaaa aaaaccatgg acgtgggtca gatgcagaga cagtggatcg 120
actacaccaa atccctcttc cttgagggtc tcctggatgg tcagtttctg caacttcagc 180
agcttcaaga tgagaacaac cctgactttg tggtcgaagt tgtctctctc ttctttgaag 240
attctgaaag gcttctca 258

<210> 39519
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 700942893H1

<400> 39519

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 tgtcatgggtt aaggagatt 139

<210> 39520
 <211> 140
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942894H1
 <400> 39520

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 tagttgaaaa tggggctgtc tttcaccaag ttgttcagcc gactgtttgc caagaaagag 120
 atgcgtatcc ggagggggggg 140

<210> 39521
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942895H1
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 cttcactctt ggtcttgca gagaaagcca tgccagagac gaagatTTTT ggcatgctgt 120
 ttggccaaca ctccattcc aagttcattg cgagatcttc taaagcctgg ccctgcaagt 180
 gttgaaatcg atgatcacc tatgcaaatt gaagaaacac agtaccgaa aaccttcttc 240
 tataaagaag accttcat 258

<210> 39522
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942896H1
 <400> 39522

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tgctgcttta cttggaaata agtcagcact gactggtggc agtgggaagg ttgtggacag 120
 tggctctgat gatcatatat ttgtatacta tactgaccat ggaggtcctg ggggtgctcgg 180
 gatgcctgct ggtccttact tatacgcgga tgatctgatt gaagtcttga agaaaaagca 240
 tgcttctgga acatataaaa 260

<210> 39523
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942901H1
 <400> 39523

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 accctgatgc caaggaggtg acgaagcgcg tggacacaga cgatagagag tggagtgggtt 120
 ggaattggag gacggaaggg gacataatgg taaatggagc gttcttttga ccatcgggtg 180
 ctgcggggca gagtggccag taccaagagg ccaccagtgt gcaagccaaa tccgccgtgc 240
 aaattgacca gctcactatg tactccggtg tcttgggtg 279

<210> 39524
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942902H1
 <400> 39524

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 attttgtacg tgtttgcact attgctgcag cctgtgttgc tcctgaagca agccaacgac 120
 ctgcaatggg tgaagtggta caatcactta aaatgggtgca gcgggtcaca gaatctcatg 180
 atcctgtgtt agcgtcatcc aatacacggc ccaacctgag acagtcctct accacttacg 240
 attctgatgg gacatcttca atgttttctt c 271

<210> 39525
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942904H1

<400> 39525

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 tgattaaagg gcatcaaatt aaggcaccaa ttttggtcct caatttggtc cttgtcctaa 120
 tttgttcac agcttcttcc gtcaacgttg ttgaatcaag gaaacttgat gagaccactc 180
 cagtgcctgc cacaaacggt actgaagaaa agtgtggatc atgtggtggt accacttatc 240
 cgtcgccacc gccaccgtta ctaccaccac cgtcgcc 277

<210> 39526

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700942905H1

<400> 39526

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 cgccgcctcc tcgccaccgc cctcctcgac gacccctcca acgcctactt cgccctcctc 120
 tcccagcact gcatccctct ccactccttc tcctacacct acaagtcctt cttcctctcc 180
 cccaccttcg actcccaaga tcccgaatct tcttcttcca cccggttcg 229

<210> 39527

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942906H1

<400> 39527

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 ggtgatggct tcgctgtcta cgattgcaaa ggccaactcg ttttcgctt cgactcctac 180
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<210> 39528

0953113-032200

<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700942907H1

<400> 39528

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cgagcatttt gggacaagag gatctcacag gaggtcagcg gagatgcact tggtagaggaa 180
tttaagggtt atgtcttcaa aattactgga ggttgtgaca aacaaggatt cccgatgaaa 240
cagggagtgc ttactcctgg tcgtgttcga cttttgctt 279

<210> 39529
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700942908H1

<400> 39529

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ctgcaaaata ttctttgatc tcccacctgt tttaaaacct tcttattgtg agggcaaggg 120
gggtaaattg ttagttgtga ggtagtgat gttgggatgg cacttgcaag gtttaacaaa 180
tacatgtgaa atcagtagct gcaccagtca tttttatggt tgtttaacta gtctttcttt 240
gcttaataaa gcttcttaag cgtttttttc cctat 275

<210> 39530
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700942910H1

<400> 39530

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ttactctgat ctcgagctca cagaaaagga aattgaacgc atggtgattg aagtttctcg 120
agctgagtac cttgcagata gtacatttaa gcaacagctt ggagacagag agtcctctac 180

gtccttcgta agcaagtcga tgggtggtct caggggcgga agcaaccttg cttcttgggt 60
 cgtcgccgga accctagctt acttcctctg gatcaaacc tccaagacc tcaagcgtgg 120
 tgagcatgag aaggccgctc 140

<210> 39534
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942914H1
 <400> 39534

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 atgatgacca ctctgattct gaatccaatc atatccaaca agatttgtcc cacatcacag 120
 agatgaggct cattccctct gatcctactc aattggattc tctctttgca atattctgcc 180
 agtgtgcaga gcttaatcca gaacctaacg atgaggaagg agaaggacat ggttgggttt 240
 ttagtgctga tgagatggga gatggagaag ct 272

<210> 39535
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942915H1
 <400> 39535

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 ccaaaaggac tctcaatcgc atttgcgcca tttggggctg tttctactat cctctttgcc 120
 acaccacag ctctgctgc ccggaagtac aatgtgttta tggcccaa at aggctgtgct 180
 gcaattggtg ttctggcatt gacaatattt ggaccggat ggctggccag gagtgttagt 240

<210> 39536
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942916H1
 <400> 39536

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 tccagcgggtg gttacttcac cagcctccgg caagacctat ttctcggcg gcgcagggga 120
 gagaggattg acgattgagg ggaagttcat aaagttcaca ggcataggag tatacttga 180
 ggataaggcg gtgccatcac tcgccgctaa gtggaagggt aaaacttcag aggagttagt 240
 tcacaccctc cacttctaca gggat 265

<210> 39537
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942917H1
 <400> 39537

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 ctgggaaatc tttgggtgaa aaagcagcag aagatctgag gcaaagaata attgaacata 120
 atattcttgt tgtatcaaaa tactatgcaa gaattacatt gaagagactt gcagagcttt 180
 tgtgcctcag tatacaggat gctgagaagc atctctcaga tatggttgtg tctaaggcgc 240
 tgggtggcaaa gattgatagg ccaatgggga tagtctgttt ccaaa 285

<210> 39538
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942918H1
 <400> 39538

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 tgatttgaag attgaaggga taaacgattt gaagattgaa aggatgcagg aactggaagc 120
 agtgacaagt gagatcggtta ggttgattga cacagcaaca gtgcctattt tggccgttga 180
 tgttgatggg ctggtcaatg ggtggaacat aaaaattgct gagttgacgg gtcttccaat 240
 tggatgaagct actggaaagc atttactcac ac 272

<210> 39539
 <211> 275
 <212> DNA

<213> Glycine max

<223> Clone ID: 700942921H1

<400> 39539

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ctcgtatccg tcatgaaagg aggaaagtcc aagaccgaat ctaagatagc cgatcccaaa 120
cttgctgtga ataagaaggg agccgccacc aaggctagga aaccgcccgg caaggggaag 180
gcagcgaaag accctaaca gccaaagagg cctccaagtg ctttcttcgg tttcatggag 240
gagttcagga aggtattcaa catagaacat cctgt 275

<210> 39540

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942923H1

<400> 39540

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accggaaaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120
aagatccagg acaaggaagg aattcccccg gatcagcaac gtctcatctt cgccggaaag 180
cagctcgagg acggccgtac cctcgccgac tacaacatcc agaaggagtc aacccttcac 240
ctggtcctgc gtctccgggg aggtat 266

<210> 39541

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700942889H1

<400> 39541

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tatgttgta gagtgagcta caattgtaat ggttctggcg agatggtttc attctgaaga 120
ttgcgttcca gattttaaca atctgatgat gagaaggcaa tcagcttgta tgactctatc 180
tgcattatga tacatgttta tcgggtttct taactacgtt taaacattgt agctatatat 240

tgtgagtttt tctg

254

<210> 39542

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 700942843H1

<400> 39542

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<210> 39543

<211> 176

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942845H1

<400> 39543

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caaattcttg ttttctttct acctcttact ctcttcccc caacaactac tccccctngc 120

tataactcaaa cgggttatca tccataccca acaccacca aaacttaatt gggttt 176

<210> 39544

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942847H1

<400> 39544

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aatcatggac aacgttgctg gccagctcca tctccgttct ggtgtttctt gtattaggag 120

ttatgaagga gcctactgcc accccacaat gtaccaaacg ccctctgttg ggaattactc 180

gaatgctgca ttgcggcatc ctggtgatgc cctcatgcaa agctactcag ggatttgctg 240

gcggctgcaa caatggcctc cccggt 266

<210> 39545
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942848H1

<400> 39545

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 aactcggccg aaaacttttc caatgcccga gcgccgccgt ccctgttcgt ggaaataccc 180
 catccaatgg ccgctcctag aggatatacc ccaccaccaa aacacccact ctatggctga 240
 atatttga 248

<210> 39546
 <211> 159
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942849H1

<400> 39546

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 atctgggggtt tgggtctagtt ggttcaggga aaagaacatc tgtccgttct gttttccatg 120
 aagaggatga taatgaggcc aaaaaaatga ggcaatggg 159

<210> 39547
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942851H1

<400> 39547

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 tggatgtgaa gtctccaaga gatgccgtgt tgaagttgat aaggaggatc aatccaaaca 120
 tgttcatcca tggggtgggc aatggcactt acaatgcacc ctttttcctg actcggttta 180
 gggaggcact ctaccacttc tcatcactgt ttgatatgtt tgaagctaat gtgcctcgtg 240
 aagacccgga a 251

<210> 39548
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942852H1

<400> 39548

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 tcggcctgct tggctatgat tcttggtttt ttcgtttag tagtggtttt acaagagtac 180
 taggcattgt ttgcctgttg cctctgtctc agacacgcct ttatttatat cgtcatgtgg 240
 ttataacttg cgatttc 257

<210> 39549
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942853H1

<400> 39549

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 tcatatttgg aagtggagtg agtaaacagg actatgtgat tagtgcatac aatgtagtag 120
 taatgtgcat ggtgtaaaga aacagatttg atatgaactt ggtgggggtt ctgtatgcgg 180
 aaatgttggt tagtcagaca gtaacacagt tttgttctgt taaatgattt tttctttagt 240
 tattattcac ttttaact 258

<210> 39550
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942855H1

<400> 39550

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 tccaacgact tccctaattg ggccaacgag cccatcttaa agcccacctt acatgcctc 120

gaaatcactt ccgcttactc gcaaccgttt tatccgaccc gaggccgtac ataaacaagc 180
 tcgagtggac ccggcgggtg gagtctctcg ccacggccca aattcagatc atagctatgc 240
 tgtgtgaaga tgaaga 256

<210> 39551
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942856H1
 <400> 39551

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 ctacggcaaa gattgcctcc ccaggacatc tcccagagcc tcccacacct ccacgcccac 120
 tccctggcct ccaacgcgc cctcgccctc caattaaact cccactccac cacgcgccaa 180
 caggcccaac ttagagaggt gacgttgaag gaagagaatg ctgcgttcga aaatgcaata 240
 tccgattgtg agaataa 257

<210> 39552
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942859H1
 <400> 39552

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 gcaaatatgg aaatgtcatc gtctctctcg ggcataatgc cggttcggta ttgttttttt 120
 agttgctaga tcttcttcac gttgccaatg cgggtgggtag ttaattagta gatatgggtt 180
 tgagatttga gaacaattat gtgttactag agctatagtc tccaatcctc ttattattat 240
 tattattatt atgttctttt atctcattcc cgt 273

<210> 39553
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942860H1

<400> 39553
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 ggatgctatg aaagctgttg ctgatgcaca ttctaagcgg tcccttaagt tgtttgaaat 120
 tgctttgagg gactacaagg cacagttgga ggaagaccca attgtacaca ggcacctttc 180
 atccttgtag gataccctta tggagcagaa tctttgcaga ttgatcgagc ctttctcaag 240
 ggttgagatt gcacata 257

<210> 39554
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942864H1

<400> 39554
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 ctgtgttctt ctcttcatag cagtcttgta tgctgagaga ctaagtttcc ttaactccag 120
 ctccattttc aagtccaaaa catgtcctag aaagcacac aaatcaaagt ctaatgataa 180
 aaaatctgag gaagtgtttg caaatgcctc gtggatcgat gataggttcg attttgaccc 240
 agaagagtgc aatgttgcaa atgg 264

<210> 39555
 <211> 137
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942865H1

<400> 39555
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 acgagaaaagt ggcttctctc caccttggcc agcttgagac taggctcacc aagctttcca 120
 aagaccagct gattaca 137

<210> 39556
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942868H1

<400> 39556

agaaagtgga agatcacgat tcaggtgacc gaagatcatg caacatgtcc aattcaagtg 60
tatgtgatgg cagtcaaag tctccacat ctgtaacttc tgtaaccaca gatcttgggt 120
taggaatatg ctcttctcct acctgcaata aattgaagaa acctgctgtt caatatacta 180
tggagcctcc aaaggaaatc cctagtcgat tttctccaca c 221

<210> 39557

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942872H1

<400> 39557

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ccgcgacaac gatgaccac tacggcaca ttccaacctc ctctcgcct tcgaccaacc 120
tcgacttcat ctcacgcgcc aagcagcgcg tcaaggaggg cctcggaacc cgccgtccat 180
ggaagctcat gttcaatttc cgatccttcg gtctccccgc cggggtcgga gacgccgtcg 240
cgcggtgtgag ggaga 255

<210> 39558

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942873H1

<400> 39558

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cctacctaga cacacttttt gatctcaaag ttgaaggga gaaatcagca ctttctgatg 120
cagacattgg tttcactgtg ctcagagttt ctcaacggtg gcacagacac aacagcaaca 180
gcggttgagt ggggcatagc acagctcata gcaaaccctc acgttcagaa aaagctctat 240
gaagaaataa agagg 255

<210> 39559
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942874H1

<400> 39559

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 aaatgaaaca accgaggtaa gcaagaccca ggaaacaacc ccagtcactg aggctcctgc 120
 aacagaacaa cccgcagctg aggttcctgc aacagaacaa cccgccgctg aggctcctgc 180
 cccagaatca accaccgaag caccaaagga agaaaccacc gaggcaccaa cagatacagt 240

<210> 39560
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942876H1

<400> 39560

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 agatgagtta ggatcctgta caaattactt gcaacatatg gaaatgatgc acatttttat 120
 gaaatgtgaa aatcagatat ttgttggtt 148

<210> 39561
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942879H1

<400> 39561

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 agagaaagat gcagctgaga tgctcgtgaca tggaatgggtg gatgaggagg aggcagttgc 120
 catcgcgatt aggccagagt gtctgccatt tggaacgtca gagatgggca gcaatgggag 180
 gagaagatga gatggaaatg atcaaagact tgccagaggg gctgaggagg gacatcaagc 240
 gccatctttg cctcgatctc at 262

<210> 39562
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942880H1

<400> 39562

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 ttttaatttcc tacaaaatga ttgcttgacc atttttgtag tggctcgcca ttgtaggtga 120
 acatatctag atgggaactt aatttttgaa ggtgagtttc agtgatatct tgtacaaaaa 180
 aaaaaagaca aaaaaaaaaa aaaaaaaga aaagaaaaaa aaggaa 226

<210> 39563
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942881H1

<400> 39563

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 gggcactcgt ggccatctcg ccctatacct tctctgccat cggcatcgcc gtcgctatcg 120
 gcgtctccgt tctcggcgcc gcctggggga tctacatcac cggtagtagc 170

<210> 39564
 <211> 255
 <212> DNA
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<223> Clone ID: 700942883H1

<400> 39564

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 gagaattatc aaattcggtc tagaaaagcc aaacgtgtag taattttgac taataaatct 120
 aaatttttta agaagtagca tacttataat cctacaggag atactgataa cgctgaaaaa 180
 aaaaaaatg aattggcttt aatacgttat tcccaacaat cggattttcg gcgagactta 240
 atcaaaggat ctata 255

<210> 39565
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942884H1

<400> 39565

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 ttaattcaaa actcacaaaa gctgttccta aagtacatga ggatttttct gagctttgac 120
 aagttttcttc cccaacatgc tccattcatt agtcgagagg ttggcccggc ctggttcact 180
 gactattttc ctgctgtcga tccggacaat gaagcagaag tgaccgaaat atggtcattt 240
 tacttgaat 249

<210> 39566
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942886H1

<400> 39566

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 tttggttaga agggatatag atagtgtatg tgctgacatc tatgagtggc agccaaatct 120
 tgtaagttat gagatgcaag cttctggcaa agtcagaagt cctgtgagac caaaagcaca 180
 tttgtcatgt ggacctggac aaaaaatatc atcaatcaag tttgctagct ttggcactcc 240
 agtaggtct tg 252

<210> 39567
 <211> 106
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942887H1

<400> 39567

ctgaaatccc taacctaaaa ttccctccc tgatggcttt accagagggt gggttgagac 60
 tgctcctttc acccgtgact tccaaccttc ttctccacac aacata 106

<210> 39568
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942888H1

<400> 39568

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 gagctgtgcg acagatgctc catctgagct tagaacagtc tcttgaacgc tggacgatgt 120
 cggttgccca cggtgcagcc t 141

<210> 39569
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942842H1

<400> 39569

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 atcaagaaga tgggtcaacga tccttgcatt gatgttaagc ttcgtgcaag acaagcactt 120
 gggcagatta ttacttttgg tgataggtaa ttgtaatcag ttactccatt caaagcccct 180
 gggctgcagg caaagagaaa tcttgataga atttattttc tcccagttcc caccttatta 240
 tatgtcaagg tgtat 255

<210> 39570
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942808H1

<400> 39570

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 tcttccatca gagtcttgct gtctctggga tcccctctgg gtaaagaact cgaagacggt 120
 gtcacagcta aattccccaa cgtcaaactt tgccacggat acggcatgac tgaggcagag 180
 cctctgctaa caatctcttt agcttttgct aaagaatcga t 221

<210> 39571
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942809H1

<400> 39571

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 catctccttc acataccgaa gcatctattc aaagaaagcc atgactgata tggacagtac 120
 caatatctat gcctacattt ccatcattgc tctaattgtc tgtataccac ctgccgtaat 180
 tttggaaggg cctacactgt tgaagcacgg cttcaatgat gccattgcta aagtaggttt 240
 ggtcaagttc gtctcagatc tc 262

<210> 39572
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942810H1

<400> 39572

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 atttctactc atcgagaagc ttcggaacg aaaacaaaga accctagaca gatccattcc 120
 atagccatgt cagggtgttg ccctctatct caggattggg aaccgcgtgt cctccgcaag 180
 aaggctccca ccgccgccgc caagaaggac gagaaagccg tcaacgccgc ccggcgctcc 240
 ggcgcggaat ttgaaaccct aaa 263

<210> 39573
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942811H1

<400> 39573

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 actcgctacc ctgttggtgt tgcattcaac aaagtcaact atgccaatgt atcaacaaac 120
 aactatgctt tggatgagat tgtggaagtg gaatgagtct aatttatttg taattttgat 180

tctggccatg ctatgccagt tactagccta aggttttttt atgtcaaaaa caaaaaagaa 240
 tttgtatcat attctctctg tt 262

<210> 39574
 <211> 224
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942812H1

<400> 39574

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 gaaggataaa tgaaaaatat gactaaccga tagccacagc acaaagcatt aaatcataaa 120
 attaaatcaa catggatgga taggattgta aatccactct tacataataa atttgagtat 180
 ttattcttga aaataggata atatctatag gtgttttctt tctc 224

<210> 39575
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942813H1

<400> 39575

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 ataaaattga taccgctaag gaaagtaagc tctgccttc cagtgaacta aagttggaag 180
 cagttgtttc aaagcattct accaatgttt ggaatgattc tgatccatca tcttct 236

<210> 39576
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942814H1

<400> 39576

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 tagaaaaacg aagagtctct ctcttcttta tgtcagggca caaatctttc acctcttctt 120

00220 ET 560

ctttctgctg accatttcag aaggaacc

148

<210> 39577
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942815H1

<400> 39577

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tactgttgag gttgtccgtt tgggtggcagg caacatgact actggacaat ttacagtca 120
tctaataccc ctcacactac ttctcgttga tggtagcagt ccaattaagg tacctgattc 180
acagtgggag ctgtatgttt tgtgtcagaa gaaaactgat ccgcagggag agatccattg 240
taggttgatt ggtttctactg ctg 263

<210> 39578
<211> 168
<212> DNA
<213> Glycine max

<223> Clone ID: 700942817H1

<400> 39578

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aagccttcca gaactgaata gttggcaaag gattttactt tgtttgttct ttgaattctc 120
ctgaacagag atatgatctc tttatataaa ctacaagtat acaacaga 168

<210> 39579
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 700942819H1

<400> 39579

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attaaacaaa gagcttccac cgtcgacttg catctcttca aaacgccacc gtactgctca 120
caagccaatg ccttgctctt ccatcacttc caccgccgat gacagcagca gcaacaacaa 180

caacaagaag aaggatgg

198

<210> 39580
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700942820H1

<400> 39580

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ggaaaattac tggaaacagc atgctggatg cttggaactt ttggacagca ttctagattc 120
gcctcttgtc aatgaagaag cccacgtttt tgttgctagc aagatttctc aaagcaatga 180
aatccaatgg aaatctcttc gatgtaaaaa gtctaaagtg aaggccatct ttgcttgaat 240
gggatgtagc cagctgctat g 261

<210> 39581
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700942822H1

<400> 39581

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ctctcattta tttttgaatt gaagtttctt tctcattatc tacaatatcc tcgcgcgtgt 120
tattagcgat gccggaggaa gaagtagtgg agctcaagtt ccgtctctac gatggatccg 180
acatcgggtcc cttccgttac tccccgcct ccaccatcgc catgctccag gaccgcattt 240
ttgcagactg gcccaaagac a 261

<210> 39582
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700942823H1

<400> 39582

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 ananaganat ccatcgatca attaatttcc aattgccgat cagctcaccg acgaacagat 120
 ctctgagttc aggaagcctt tagcctcttc gacaaggacg gcgatggttg tattaccacc 180
 aaggaacttg ggactgtgat gcggtcgctt gggcagaacc caactgatgc tgaactgcag 240
 gacatgataa atgagggtt 258

<210> 39583
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942825H1
 <400> 39583

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 aaagtattaa gatggcagag acattcctat ttacctcaga gtcagtgaac gagggacacc 120
 ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga cgcttgccctt gaacaggacc 180
 cagacagcaa gggtgcctgc gaaacatgca ccaagaccaa cttggtcatg gtcttcggag 240
 agatcaccac caaggcc 257

<210> 39584
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942826H1
 <400> 39584

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 ggctttgaga tgggtgaaat ggcaaactcc cggttggttag aagaaacata cttactacgt 120
 ttacagacat aaaatacgaa agattactta cgcttcaatt ggatagcttt ggaacaattg 180
 cgaatttcaa aatttgaata cgcttcctgta atcttagagg tataagcttt tagtttatgt 240
 acatgcatgt aggtgtcca 259

<210> 39585
 <211> 175
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942828H1

<400> 39585

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catggcaatt tatgatgatc tgactcaaga tgatcaagat tctgtcgatt gttgg 175

<210> 39586

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700942830H1

<400> 39586

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taagaaagta gaatctacaa gttcattggg tctgctttta taatacacca aagaaaaatt 120

ttctatattg ggttgtttca ataaccgggt gggggatagt tagatgtttt agcatgctct 180

gggagcaatt gattctt 197

<210> 39587

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942831H1

<400> 39587

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aactttcatt tcatagattt tcatcatctc agcaaaggaa tcaatcaatc aagccatggc 120

aggcttcagt ggcgacgaaa cgcctccttt cttcggcttc ctcggtgccg ctgcggccct 180

cgtcttctcc tgtatgggag cggcgtatgg aacggcgaag agtgggggtgg ggggtggcgctc 240

gatgggagtg atgaggccgg agctggt 267

<210> 39588

<211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942832H1

<400> 39588

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 aatgggttcgt tttgcttgct cagtactaag ggaagtgatc cgttaaactg gggagcggcg 180
 gcggaggcga tgaaggggag ccacctggac gaggtgaagc gcatgggtgtc cgagtaccgg 240
 aagccggtgg tccggctcgg cggcgagacg ctca 274

<210> 39589
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942833H1

<400> 39589

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 tcgggaatat tgtctagaca caattgcttg taatttcgaa acatttgctg atactaaaga 120
 atttcgggca tgttggtgac tttgcctcca ccatctggag actcgtctct tggtta 175

<210> 39590
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942834H1

<400> 39590

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 gagcccactc catcgagtgt gttggctcta tcagctcttg attcgcaact cttccttcgt 180
 ttcaccatag agtatctctt ggtctacaac ccttgccctg gcctgggaca ggctgccacc 240
 ac 242

<210> 39591
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942835H1

<400> 39591

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 aagacgacgg caaggactac caggagccgg cgccggcgcc actgggtgac ccgacggagt 180
 ttacgtcatg gtcccttttac agagcagggg tagcagagtt tggtggccac ttttctgttt 240
 ctatacatca ctgtctt 257

<210> 39592
 <211> 140
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942836H1

<400> 39592

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 atagggtttt tttcctcccc 140

<210> 39593
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942837H1

<400> 39593

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 tgtcgcagga gttgaagcta gaggctttat atttggtcca ccattgcat tagtcantng 180
 agcaaaatth gtccccatga ggaaacccaa taaattgcct ggggagggtta tctcagaagg 240

gt

242

<210> 39594
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700942807H1

<400> 39594

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ggaggaagaa ggagccattg aagatagcaa aaatggtttt ttgttcctg ggcctcttct 120
ttctctcaag gaacagatcg aacgggacaa ggaggacgaa agcctaagga gatggaaaga 180
gaagctgttg ggttgcttgg aaagtgatat agatgggtcaa ttggatcctg aagtgaaa 238

<210> 39595
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700942838H1

<400> 39595

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agctgtcaac agagctccac tgagcttgaa cagctctgaa gctggagatt cggttcccag 120
ttcagccttc ttggcaciaa gcttgaagaa ggttactgcc tcaagggtcc ctaacgtcaa 180
gatttcttct ggaagtttca aaatcggtgc ggcggagaaa gagattgatg agcaacaaca 240
gacaaacaag gacagatgg 259

<210> 39596
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942841H1

<400> 39596

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ccccggcncc tncctctct cacaatcaaat ccatttcgcc aaatttcaca tcactcttca 120
cacantagaa aatagtcctc cgcgcccggc tatectaggt ttctgtgac gatgctcccc 180
tactcttcca tcccgggaagc cgtagcggcg ctgggccgca acctcacctt cgcgagagacc 240
ctctggtt 248

<210> 39597
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942763H1

<400> 39597

ccggtttcgc tctctctctc tctctcatgg cgaatctagc acacttctcc aagagagccc 60
taagaagcgc acacgcgctc gcaaggcacc acgtgcagcc gcggttgtgg cagcggaacc 120
gcttttgcga cggagcggcg aaatcgatat ccccgtcggc ggatcgctg aagtgggact 180
accgagggca gaggaagata atcccgttag ggcagtggct ccccaaagtg gccgtggatg 240
cttacgtagc acccaacgtg gtc 263

<210> 39598
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942764H1

<400> 39598

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ctcgacatca attcaagaga tgtttaggag ggtcagttag cagttcactg ctatgtaccg 120
gcgcaaagcc ttcttgcttg gtacactggg gagggtagg acgagatgga gttcactgag 180
gcagagagta atatgaatga tttggttagca gaggaccagc agtaccagga tgcaaccag 240
aggaggatga tgaatacgag gat 263

<210> 39599
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700942765H1

<400> 39599

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tctcgagaat catcgaataa aactaggggt tccgatcgtc gtcgaggaga atgccgaaga 120
acaagggaaa gggaggaaaa accggaagcg cgggaagaac gatgcggacg acgagaagcg 180
ggagcttggtg ttcaaggatg acggccatgc actagctcag gtgctccgga tgctggg 237

<210> 39600

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700942771H1

<400> 39600

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cgggtgaacta attggattgt tgcgagccga acgagcaggg cgttccttag aagaggcgat 120
ttgctatcgg ttctattatt ggggataaca aaaacatctc tgaataactca aagtttcata 180
tctgaagcaa gttttcaaga aactgctaga gttttatcaa aagccgctct cggggggcgc 240
atagattggt tg 252

<210> 39601

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700942772H1

<400> 39601

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agtctctaaa acttctgaca atgcccctgc aatagttagt ttttcaaat tcaagccatc 120
atcatcattt tccggctccg ggcaaaaaat tccatgcaag aagctcatca cactcgtgag 180
aaatgggaga aggtgctggc tccgtcggtc gcacatagcc acaatgattc aaagagagta 240
cctgtgtatg tga 253

<210> 39602

<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700942773H1

<400> 39602

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ttgttttttg aggaaacttg tgattcatgt gttttcagtt atgatactgt ggccttttca 120
tgtctttgag cagtgaattt gagtgatttg tgaaaatggg ccacccggag aatataaatg 180
cccttgcatc ttccagacaa cataaaaatt aaaaagttaa agtccacatg ggtgacga 238

<210> 39603
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942774H1

<400> 39603

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aattggtatt ttaagactat atttgatttt tattttcaaa aaatattttt aatttttaaa 120
atacaattaa agaggttgct caaacatagt tggtaggggt ataaggcata aatgagagtt 180
taaacaagaa aatggaaaaa acatctcttt tgaattgggt gttgagtaat ataaaattat 240
tttttaaaca aaatt 255

<210> 39604
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942776H1

<400> 39604

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tgctattact gtgctttctc aaaactatgc ttcttcctcg ttttgtttag atgaacttgt 120
aaccatcctt catgcaagag gaaagggttg ttggttatac cggctcttta caaaatagat 180
ccttctgatg tcagacacca gaaaggtagt tatggagaag caatggctaa gcatcagaag 240

agcttcaaag ctaagaag

258

<210> 39605
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942777H1

<400> 39605

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ttctcactac cggcttcacac atcatcatct tctttctctt ccattgatga cgtgaaatca 120

agcaccatca ttctcaattc aaggaagccc ccgaattcta caactcccca gaatgagcct 180

ccctcaccga caacgaggta gacagtagcg acaggtagcat atgttcggag gaagcggtag 240

acgtggcaat gacgctggac 260

<210> 39606
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700942780H1

<400> 39606

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ccagaatccg ttgagaatgg cgttgccggg agtcgtcgat gcagagtacc tcaaggaggt 120

cgacaaggct cgccggatct ccgcgcactc atcgctaaca ggaactgagc tctctcatg 180

ctccgattag cctggcacga tgccggaact tacgatgcta agaccaagac cggtaggacct 240

aacggttcga tccggaacga gg 262

<210> 39607
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700942781H1

<400> 39607

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0953113-032200

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gatatgtttg tcagtgttcc aaaagctgat gctattttta tgaagtggat ttgccacgat 240
tggagtga 248

<210> 39608
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700942784H1

<400> 39608

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caaaagctcg ccggaaaatc tttctccggc gacctggaat tccgacgaag gtagttgcgg 120
ctccttctcc cgaaactgag gccctcaaag tataaacttt ggtggtggtg ggtaggatct 180
ggcgggtgtat gatgggatct tgcatatgcc agttggagac tccggcgagg ttgctttgga 240
ccacaag 247

<210> 39609
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700942787H1

<400> 39609

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atcagcccag aagtgggaag ggtgagcatg aggaagaccg tcaccaagca ggtctcctca 180
ggaagcccat ggtacggccc agaccgagtc aagtacttgg gccattctc tggcgagccc 240
cgtcct 246

<210> 39610
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700942788H1

<400> 39610

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aagcaatctg tcttgccctt ctactagca ttgctagttt cttttttgaa ttgcaccacc 120
accttagcca attatcacca gcttctgccc ctctcaaacc accccaacct gtccttacca 180
taccagctgc tgctcctcaa caaccattgg ttccttcatt gccacaatca ccaagtgatt 240
ccaccctga ca 252

<210> 39611

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700942790H1

<400> 39611

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gataaaaatg agttaaaatt gtgaaacatg tcaaaggggg gttgaatcca agctccctcc 180
atcagttaga cttcaataac ccctacattg gagaagtggc caaaattgga ctagtgggtg 240
ctgtcgttgc cct 253

<210> 39612

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942791H1

<400> 39612

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cacaaaccca aatcatccct ggagagcaag gagtcattga ggccgctcgt caccctgatg 180
ccaccactgt agttacaggc atagttgggt gtgcaggatt aaagccaaca gttgcagcaa 240
ttgaagcagg gaaag 255

<210> 39613
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942792H1

<400> 39613

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 caagtgggtgg caggtgtcct caccctcaca atgtttgtca tgcttggaag tatgatcaaa 120
 agagaccact cgataattca cttcaagaaa agcttccagg aggatcggaa gatgccaact 180
 ttgagactgc tacgtttgat gctactcatg taagaaagaa tatagggtt tggaaggagg 240
 atgtggatga cctaaaa 257

<210> 39614
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942793H1

<400> 39614

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 aaatctggag cgtcgggaag tt 82

<210> 39615
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942794H1

<400> 39615

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 acaacaatca gtgctcctca agcaaggaag acgctgacat gaatagcaac caccttcggt 120
 ttgaagaagc tgcgaggctg tcgacgagag ttccaacctc gaccaatcca tgtgcgacat 180
 cgaagaatcc gatgataaaa ccagcgccga ctattacttc gattcctact ctcatTTTTG 240
 aattcacgaa gaaatgttg 259

<210> 39616
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942796H1

 <400> 39616

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 gagaaaggat cataaatggg tcaactgagga agaatacagaa gatgacaagg gaaattcaag 180
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 aatcactgct ctagaggaac 260

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 <212> DNA
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 <223> Clone ID: 700942801H1

 <400> 39617

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 tcggccatta gaaaccgtaa tgaaggatct tgcttgcca attatcatca tatttttgat 180
 gaaatggaag atgtagactc cctgga 206

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 <212> DNA
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 <223> Clone ID: 700942802H1

 <400> 39618

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 caaatttagc tttcacccca cctgagtatt tgaggacagg aagaatcacc cgagaaagt 180

taatatacag ttttggcaca ctcttccttg atcttctgag tggc

224

<210> 39619
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<212> DNA
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<223> Clone ID: 700942803H1

<400> 39619

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agcttgatct gttggaaatc atagccaagg ctggccctgg tgttcacctt tccccctccg 180
acattgcttc tcggctccca acacacaacc ctgatgcacc cgttatgttg gaccgtatat 240
tgcgctcttt ggcttgct 258

<210> 39620
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942804H1

<400> 39620

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gaacaaacca aaacggttga gtcagaatca gtaacaccac cacctgctgc tgctgctcct 120
tcacaggttc ctctgctgc tgaggctgaa catgttcctg aggcctccaaa ggatgtgact 180
gaggagaaat ctgtaattcc agtgcccttct tctgatgaca agcctgatga atccaaggct 240
cttgtcttgg ttgagaagac tca 263

<210> 39621
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<212> DNA
<213> Glycine max

<223> Clone ID: 700942806H1

<400> 39621

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gtattcagtt tctcttctcc caacgttttt gtcgctagta acagaatatt acaaagtaac 120
 ggctttctca gtggagcgct tgatttgggt tgggtgggtca acttcaagtt tcaatttttt 180
 tttcattttt gtctggctga ttgagaaggc tcagttgcag agacggtggg ggtgggaagg 240
 ttatggcttt ttgcccaatt tt 262

<210> 39622
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942759H1

<400> 39622

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 atgctatata tgtgccccag ctcaacaatg tgccatagat ctgcagagtg gaataacttca 180
 tgctgaagag aaggattata aaactgctta tagttatttc tttgaagctt ttgaatcatt 240
 caatgctctt gatgacccca 260

<210> 39623
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942715H1

<400> 39623

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 tgtacaggaa tgacatccat gacagcgggt gaggggtgta ataataacgt caactttggc 180
 ctcaacgcgc tacactgagt agattgctct tgtccgtaga ttgggtccca ttcacaatta 240
 ttatgcaatc gggaccgtag atagggc 267

<210> 39624
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942716H1

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 taattgttag tatattatatt gtgtagtttt atcataagag aagacttgtc tatgaacctg 180
 aaacatacca agcatgagat gaaacagacc caagagctta tgatatatgt ttatatacta 240
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<210> 39625

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700942717H1

<400> 39625

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 attgtgaaac ataataacac cgtgctttct tgtactcctt tacagcttat gatacttttg 180
 atgacatgaa atttaaagct ttacaattgt atgtaaaaaa aaaaaaaaaa aaaacaaaaa 240
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<210> 39626

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700942719H1

<400> 39626

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 ccccagaagt gggaagggtga gcatgaggaa gaccgtcacc aagcaggctt cctcaggaag 180
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[illegible]

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<400> 39628

<210>	39629
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<400>	39629
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15792

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 aaaaagagat ataatgggt gcccgcaact aggacgctcg tcaaccgggt tattattccg 240
 gac 243

<210> 39630
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 <212> DNA
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<223> Clone ID: 700942725H1

<400> 39630

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 aattagcatt ggcacagtaa cacaagccgg aacagtcact agcacacaga aaatatggag 120
 gagtttacia gctctcgggc aatggccttt gcatactcct tttccattat cctcatcgaa 180
 attcaggaca ccataaaatc tcctcctgca gagcacaaga ccatgagaaa ggccacaact 240
 ttgagcatcg cagttactac ag 262

<210> 39631
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942726H1

<400> 39631

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 tcacaaaccg caattgcaca gactcgctgg agtgagaaaa agccagttgg ccagcggtaa 120
 cgatcatttt gaagaaactc agaggcagca cagcccgtta taggaggatc acttgggggtg 180
 catacaagag ccctttgctg tagatggctc agactctgtt ccagactgac ttggcttgat 240
 tcagccagca tcttctt 257

<210> 39632
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942727H1

<400> 39632

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 ttgtttctga tactgatgtg ttctgtctcat ccgcgatcgc ctccgacgac gaaagagtgc 180
 gcgaattggt gtccctgcaa tcgagatcca aatcgggcct aatccggctg aacgaccaat 240
 ccctggcccg cttctcacc g 261

<210> 39633

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942728H1

<400> 39633

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 aatacatcat atgggggtta actgctggga tcttgattag ggctgcatca gttgtgtacc 120
 aacggcagcc agcttttgtg gagcagaacc ctaaattcaa gcttccacag gatgtatcca 180
 atgacactac aataccttga gttcattgtt tattgtattt tgtccttgat acttgtcctt 240
 aatcgtgcaa aaaaactcgt agcagc 266

<210> 39634

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942729H1

<400> 39634

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 ctatggtgga gaggcaagga tttaacttt gagggaatta tttcctcgga tggaagacaa 120
 gaagagcctt gttcatctg agagcgttct gagataaagg gaaaagcttc tctactagct 180
 gcacttgact actatgttgg cttgcatagt gacataatta tctctgcttc ccaggaaac 240
 atgcacaatg cattggttgg aca 263

<210> 39635

<211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942730H1

 <400> 39635

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 acttatgtat tatgtctgtg atgggttttcg tgcactctgg tgttttgtgt taaacaaaca 120
 tccttagaat aaagtgggtca tgtcttgccct ttcagcaagt tcaagtgttt tggacttgtg 180
 atgggtgtgt taagctcatg gttgcttctt tttttttttt tttaaatgtt tggaaattgg 240
 ccgcttctgt ataaagttcg gctaatac 267

<210> 39636
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942731H1

 <400> 39636

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 ccaaagccac accctcctcc catcatcact cgcttccac tccagaagct acgtgccatg 120
 catcaggacc aggaccacca ctgtcggcgg actgtccgcc gtggcgaacc cgtcccacgc 180
 gcatgcgaat acactcttct tccggtcggc gtacaacgtg caggtgggtg tggacgagaa 240
 cgagccggag gagaggctcc tcaaccggtt 270

<210> 39637
 <211> 196
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942732H1

 <400> 39637

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 actgagtcct tctgttcgg ggaaggga aaataatggc cttgttatga acttctacaa 120
 ggaatcatgc cctcaggctg aaacatcatc acagaacaag tcaagcttct ctacaagcgc 180

cacaagaaca ctgctt

196

<210> 39638
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942735H1

<400> 39638

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aagatgaaag tgaaagatct tcggcggtcc cgcaaagtct tgaggaagag aaagttgaag 120
ggagaagaag agtggagatt ttgatggcac tcatagacct caaagtgggtg tcaaggggtt 180
tgagaatgag tgagttaagt gaggaacagt tgcattgggtg tgaagagaag atgagcaaag 240
tgaggggtatt ggacg 255

<210> 39639
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700942737H1

<400> 39639

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ctcctggcat atatggcaac aatttaaaga ttgagaacat tctgttggat gatagtctca 120
atgcaaaagt cagagatata acattccatt gccatccaag attgcacata ttgaacaaaa 180
tgccaccaat catattggca gcacaaacga tgcagaaaag gaagatatct atcagttggg 240
tattattcta cttgaagt 258

<210> 39640
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700942738H1

<400> 39640

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ttacaccacc ggttctgcac ctcttctttc tctctcttct acttctagtg ttgccacaaa 120
gctctactcc ggattgaact tcaagctgcg agtcctttcg gagctgcaaa acctaacgta 180
accgctgagt tttatggaaa agttcacaac actcttctact gtcggtatgc taaccacaat 240
acatcaatgg cacgtattcg 260

<210> 39641
<211> 71
<212> DNA
<213> Glycine max

<223> Clone ID: 700942741H1

<400> 39641

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agaaaagaaa a 71

<210> 39642
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700942742H1

<400> 39642

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ctctgaacca gcaaaccatgt ctgcagccat ggatatgtcg ctcgacgaca taatcaagaa 120
caacaaaaag tctggaccgg aagttcaagt ggccggaccc gaccctccgg atccggacct 180
attcgccggc tccccaaccg tgcggccaac cgggccaac cttatgcccc ggtagggcg 240
ccgaagcaac gtg 253

<210> 39643
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700942743H1

<400> 39643

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aactttgagg gaattatttc ctctgatgga agacaagaag agccttactt catctgaaga 120
 gcgttctcag ataaaggaaa agcttctcta ttagctgcac ttgactacta tgttggcttg 180
 catagtgaca tcttcatctc tgctcccccga ggaaatatgc acaatgcatt ggttggacac 240
 cggacatact tgaacttaaa ga 262

<210> 39644
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942748H1

<400> 39644

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 ggagaggctt cagaggatgt tcgcgggtgc aggtggagcg ctgggccatc cccaccgga 120
 ttccccacc ctcgattcct cgagcaggtc tacatctcct cctcgcctt tctcaaaatg 180
 ctcaaacacg gaagagctgg ggtacccatg gaagtgatgg gtctgatgtt gggggagttc 240
 gtggatgagt acaccgttcg cgttgttg 268

<210> 39645
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942752H1

<400> 39645

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 tcttcatatt cttcttcttc ttcttgttct tgttctatct gtgacgagca tcatggctc 120
 gagagcagtg cattgttggc tatgtgtgtg cttccggcca tggttgtggc cattcgccca 180
 gcaaagaacc ctttttgcgt gaagggtcgc gtctactgtg acccttgccg tgctggtttt 240
 gagacctcag caa 253

<210> 39646
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942756H1

<400> 39646

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gcgaaccccc agttaatttt gagtggggag cttcgtgccc ttcagccagt ttttcagatt 120
tacggtcgtc gacaggtctt ctctggacct atagttacct tgaagggtgt tgaagacaat 180
gttttggttc gtgagttcct tgaagagaaa ggcaatggaa gagtgcttgt tgttgatgga 240
ggcgcgagtt tacgct 256

<210> 39647

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700942714H1

<400> 39647

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taacatgttc ccgtcttcca tctgtctcct tggggagtct gagaattggg ttgaagaaga 120
gacctctaga tcgtgatagt agaatgcggc tagaaaggca agagaaggtc taagatctgt 180
gagagcaatg atgggtgcac atgagcagtt tagtggttaag tcagaagggtg aagatatagg 240
acctttgaa 249

<210> 39648

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700942680H1

<400> 39648

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gaattcaaga gaagctaata gttcatcttc aactacgatt ggatatcttg actggaacag 120
tggttttagtg gtttctacag acgaaaatca atcccaaggg aaaatctgga agcttcatgg 180
aattgccaat tattgtaatc caaggtcctc cttggatgca tctagaggga acacctgctt 240
gtgctggata tataccgggt ccagttattt tct 273

<210> 39649
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942681H1

 <400> 39649

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 gggttcaatt gagatctttc taagcaggca ttgtcccttg tggatggct acaatgggaa 120
 gttgaagcct ctgatgaggc ttgcttatat taacaccatt gtctaccgt ttacctcaat 180
 cccattgatt gcttactgta cgcttctgc attttgtctt ctcacaaata aatttattat 240
 tcctgagata agcaactttg ccagtatgtg gttcat 276

<210> 39650
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942682H1

 <400> 39650

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 ttgccttcca gattttaaca atctgatgat gagaaggcaa tcagcttgta tgactctatc 180
 tgcattatga tacatgttta tcgggtttct taactacgtt taaacattgt agctatatat 240
 tgtgagtttt tctgtggaaa attattgtct tttc 274

<210> 39651
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700942683H1

 <400> 39651

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 ttcaggtcta tacatnacia taccacatnn cctannanan naattattca caaaatctct 120

tcacctctgt gatgaccatg gaatacagaa ccttagaact caacatcata tccgcaaagg 180
 acatcaagca cggttaacctc ttctccaaga tggacgtata cgccgtcgtt acgctctccg 240
 gcgaccctct ccaccctcag ggcgcc 266

<210> 39652
 <211> 276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700942684H1

<400> 39652

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 ctctctctcc tcgacctcaa cgccgtcgtt cgctgcgccg tctgcaaaga ccaaattacc 120
 cccacgcgcg aagccaaaca attacctgc aaacacttat accactccga ttgcatcacg 180
 ccgtggctcg aactccacgc ctcgtgtccg ctatgcaggt ttcggttgga agaagaggag 240
 gaagaaggcg gtgacggcgt tatgacgaag atcagg 276

<210> 39653
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942686H1

<400> 39653

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 ttctcatcc tccaatccaa ccacctcagc ctcacactca catatacaca tatctgaacg 120
 cgtatcgtcc ctctatggc ttcaaagcgc atcctcaagg agctcaagga cttgcagaaa 180
 gaccaccaa cttcttgag cgctggtcca gtagctgagg acatgttcca ttggcaagca 240
 acaataatgg gtcctgctga tagtccttat gctgg 275

<210> 39654
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942687H1

<400> 39654

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ccgcagcagc aaacatctat accttaaagc acaacaatgg ccgatgccga ggatattcaa 120
cccctcgttt gcgataatgg aaccggaatg gtcaaggctg gttttgccgg agatgatgcg 180
ccgagggcgg tgttccccag cattgtgggg cgtccacgtc acacgggagt gatggttggg 240
atggggcaga aggatgcgta tgttggggac gaggc 275

<210> 39655

<211> 103

<212> DNA

<213> Glycine max

<223> Clone ID: 700942688H1

<400> 39655

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ggattttcat ggtgtctcat tcatagatta gagaaaccag agg 103

<210> 39656

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700942690H1

<400> 39656

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gacacgccgt gggtttcggg tggagtcgtt gaagcggagt tcgaaaccag cgtctgcgga 120
gttggatgaag gacccaata aggacttgtc ccgcattctc cgaaccgaag ccgccatcag 180
aggcgttcat aacaaggcca agtcttcttc ccacaaacag ctcccgcaca aggcccttct 240
cgaatccctc gacgacgcca tcaaacgctg tcgt 274

<210> 39657

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942691H1

<400> 39657

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 aacaagaaca agaagccaag caatgcagac gaggttcact tccgcggagt ccggaagcgc 120
 ccctggggcc gctatgccgc cgagatccgc gaccctggaa agaagaccgc cgtctggctc 180
 ggcaccttcg acaccgccga ggatgccgc cgcgctacg acgtcgccgc ccgaaacttc 240
 cgtggcccca aagccaaaac caacttcccc t 271

<210> 39658

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942692H1

<400> 39658

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 agaaaaagtg cggcaaagga tgtgtgtgct tgcttcattg tttgcgttgt gaagtaggtg 120
 atcgaagtgc ttgaatgcta tattcgttta cgaaatgaag gaggacgcgg agaaagataa 180
 aggcaaagac aacaatagga tttggggagc tattctcttc ggcttaattg gcgccaccgt 240
 cactaccttt gcggtcggtc agctgcggag g 271

<210> 39659

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700942693H1

<400> 39659

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 gcgtaccctc cgccagggtg cccgccgcaa ggaggatacc ctccgcaggc gtatccagca 120
 caggggtacc ctccacccta cgcgcctcct cagtacgtc agcctccgcc gcaacaacac 180
 cagaattcat ctggcgcagg ttgcttagaa ggatgtttgg ctgctctctg ctgctgctgt 240
 ctgttgatg cgtgcttctg agaggagaag a 271

<210> 39660
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700942694H1

<400> 39660

gcaaggacca ctcttccatt cagtcattca acttctcact cactgtttct cagaacacaa 60
aagatggtga tgatgatgca gaaacacctt ctcttctcac tttcacttct cctaattggtt 120
ctcttcactt cagctcaaac caccacagca ccatcacctt cctctgcccc aacagacttc 180
atcagaatcc tcaaaaaagc cggaggattc accaccctta tccgtctcct caccacaaca 240
caagtctcaa cccaaatcaa cgcccagctt ttg 273

<210> 39661
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700942702H1

<400> 39661

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atctttgtgt tttggtttgt agaataaaca aggtatgagt gtgaaacgaa tcctttgaag 120
cccttgctca attataagtt ggaagaaaat agagaaatca ggtgggcttt gagtaatggt 180
agtagtttgt gtgtgaagaa agagggtgag gtatttcagc gtattatgcc gcaataaagg 240
aaataacaaa aataccaag 259

<210> 39662
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700942703H1

<400> 39662

cgaaaatgag cggactaggg gaagaagaag ggacgagctt cgtgatcgat tgcgcgaagc 60
ggtggaggat aagattatgg acattgcttc tctggagaag ttccttcagg agaggattaa 120

ggtcggcggc aagccggtgc actcggcgac tccattaccg tcaccaggga caagagcaag 180
 atcaccgtca cctccgacag caacttctct aaacggtatc tgaaatattt gaccacgaag 240
 tacttgaaaa agcac 255

<210> 39663
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942704H1

<400> 39663

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 agagagtgc gacaatgagc tccaggaatc ctctcgtgtg tgatgagcca cttgtgtctg 120
 ttgacttcag tgcactgtgt gtcctcaacc gttgactcat cgttgaccat ggtcatgggg 180
 agatgacatg gttaagggtga ttgccttggg atgacaattt gtctgggcta ttccca 236

<210> 39664
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942705H1

<400> 39664

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 catgcaggag caaagattat gaaaagtcgc tccacaaggc tggatgaatct aaagcaagtt 120
 tcaccaagg tccctacaga aactatccag tggcccatat ttcatatgaa ttgaatgtgc 180
 ttgggtcaag ggggcctagg agaatgcatt gtgtcatgga ttccattcct gccgctgcaa 240
 ttgaacctgg aggtgtagct 260

<210> 39665
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942706H1

<400> 39665

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 atagagggtgc aagtgctgga agaagtccta ccagggattc tggggagcta aaccaaggac 120
 gtgctttgtt gttggctatc ctggcaaaaa aagtcctggc caaaaagcat ctgaacctcc 180
 tgcccccaaa catggtcagg gattttcaaa aagcccttca ccaaatagca tgcctaagcg 240
 tattaataaaa gggcgtggct tta 263

<210> 39666
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942707H1

<400> 39666

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 ttgcaaatta cagcctcact ttaacattga atcgttgaga ataaaaggct ataaaggaac 120
 cagatctcct gattggatgg aaattcttcc tactagaata tgatctgtct aaaattgcgt 180
 gattgtgaca actgtagtat gcttcttca cttggacgac tttcttctct caaagtcctt 240
 aagattgcac gattgaat 258

<210> 39667
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942708H1

<400> 39667

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 atgcagtggc ccagatttat ttggataatg ctggtgatct ggaacttatt gctaagagca 120
 ttgaatcttc agaccttact tttcaagata cggcgatacg ttgttttgat gttgatttca 180
 ctgggggtcg tacacaacct ggaactacca aggctaata ggggga 226

<210> 39668
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942710H1

<400> 39668

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 agcttcatgc acttgcaaat gcccttcttg agcacgagac actttcagga actcagataa 120
 agacattgct tgcccaagtt agatctcaga tgctgcagca gcagcagcag cagccacccc 180
 aaacaattga agctcagagc agtttacaat ccaacacggt gcctccatca tccagcaacc 240
 cggcatctgc tgctgccgct gctgctg 267

<210> 39669

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942711H1

<400> 39669

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 gagtgatgtc tgagtgtggc tgttccgagt cagacccttc gtgtggttgt tggtcgagca 120
 gcagcagcag atctgtggcc caactgaact gaagctgtac cgagcattca tcttctgtgt 180
 tcccatcttc ttcactctca ttctctctt tctcttctat ctcttctacc tccgaccgcg 240
 aactaggctc cattggattt cacact 266

<210> 39670

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942712H1

<400> 39670

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 agattcgaga tttgcgattc cgcaatggct tcttcttcca cgacaatgcg gttatacgcg 120
 gcctccaccg gcgccgaggc gcgcttctc gccggagctc cgtcgccgga ttcacggcg 180
 tcgcgccag atcctccgcc aaatcgaggc tccgcttcat cggaaggaac gcgaacttga 240
 gcctccggat gaggaggatg agctc 265

<210> 39671
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942713H1

<400> 39671

tacagctgct gcttcacact gggtaggcat ctgtaggatt tgagcaatct gctttggctc 60
 atagtagagg tcatgcatcc aaggctaata acaatggagc tgtaatacct gatcctggca 120
 gataacattg tgtgatcgac agaccgtgct caatggaagt tttaaaaaat gaggccaaaa 180
 tctcttgtag attagcacac aggctatatt ttagagtcac tgagggtaac cgcataaaaa 240
 taactactga atcctaattt caggact 267

<210> 39672
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942679H1

<400> 39672

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 atatctttcg cttcgcccaa gcaggatctg aagtatctgc cttattgggt cgattgcctt 120
 ctgctgtggg ttatcaaccc actcttagta ctgaaatggg ttctttacaa gaaagaatca 180
 cttctaccaa agaggggtcc ttaacttcta ttcaagcagt ttatgtaccc gcagacgatt 240
 taaccgatcc tgcgctgct acgacatttg ca 272

<210> 39673
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942643H1

<400> 39673

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 aaggatatcg cctcccccaa ctgccttctt cccctcaagg acatggatga gtgcggctac 120

gactgacaaa ccggcttcgt ctggctcaaa caaaagaaga gttacacca caagttcgac 180
aagatcgga agcttgcttc ctacgcgcc gaggtaactg ctcatgtcca acaaggtaaa 240
attaccaaac tcaccggggg taagaccaag gagctcttg 279

<210> 39674
<211> 275
<212> DNA
<213> Glycine max
<223> Clone ID: 700942645H1
<400> 39674

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ttctccctcg cgtagatcgg caatggcgga gaccgagacg tttgctttcc aggctgagat 120
caaccagctc ctcaagtctca tcatcaacac cttctactcc aacaaggaaa tcttccttcg 180
tgaactcatc agcaacgcct ctgatgcttt ggacaagatt agatttgaga gtttgacgga 240
caagagcaag ctcgatgctc agccagagtt gttca 275

<210> 39675
<211> 275
<212> DNA
<213> Glycine max
<223> Clone ID: 700942646H1
<400> 39675

tgcttaatga taaggggaat actgctgttt atttgctgta tgcacatgct aggatctgtg 60
ccattatcag gaaatctggg aaagacatag aagaagtaaa gagaaacggg aaaatagtgt 120
tggatcatga agatgaacgt gcattggggc ttcatttgct acaatttcct gaggtttatg 180
aggaggcatg cacctatctg ttgcccaatt tcttggtgta atacctttac aatttggcag 240
aaatctttac aaaaaaattt tatgctaatt gtcag 275

<210> 39676
<211> 93
<212> DNA
<213> Glycine max
<223> Clone ID: 700942647H1

<400> 39676
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 tggttacattg ttttatccaa caactttttt ctt 93

<210> 39677
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942648H1

<400> 39677
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 caaagatggg gtggcagttg atgatctcat tcaagggttg gagaagatgg tctttgggat 120
 tgaccatgtc aagtcctttg aatggggaaa ggacattgaa agtcatgata tgctaagaca 180
 aggtttcact catgctttct tgatgacatt caatgggaaa gaggagttca acgcatttca 240
 gactcaccca aatcatcttg agttctcggg agtggtttt 278

<210> 39678
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942649H1

<400> 39678
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 tattccgtgg atttgaagaa agaccttttc ctccaattcc agagtcaaag tttaaggcct 120
 aagttctctc aactctcatt caaccactt ccaccatcaa cttcttecta ttcttcaccc 180
 cgtacattca caaccctggc tctcttcaaa tctaagacaa aagccgctcc tgctaagact 240
 aaggttacaa agccaaagca aaagggttgaa gatgggtatct ttg 283

<210> 39679
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942652H1

<400> 39679
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tacatcgatg taacatagga tattgcgctc tctctccagg agaataaata ggagaaattc 180
attaataaca aaaaataaaa aaaagggggg ccccccgatt agtaacctca tcgccccgga 240
atttattccg ggacggaacc ctgagggcgt cccattt 277

<210> 39680
<211> 211
<212> DNA
<213> Glycine max
<223> Clone ID: 700942653H1

<400> 39680
gaaaattgta tcaagtaaaa atgaagagca gtagagggtt caaccaatta ttactgggca 60
tgccaaagtt atagtatagt attcctattc attttcctgg agagacgacg caatattccta 120
tacatcgatg taacatagga tattgcgctc tctctccagg aaaatgaata ggagaatttc 180
attattacca aaaaagaaaa aaaagggggg c 211

<210> 39681
<211> 271
<212> DNA
<213> Glycine max
<223> Clone ID: 700942655H1

<400> 39681
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ggagactatc ccatttccat ctagacaaat gcatgtgaaa taattccggc ctacacaaat 120
catgaatcta aacaagttaa tggatcattt gacttcatag gcgtaattca ctacaccagt 180
ctcaatgtct cagacaattc tgacgccctt aagaactagc tgagagattt cagtgcagac 240
atggcggcag atatctgttg agaagatctg t 271

<210> 39682
<211> 279
<212> DNA

<213> Glycine max

<223> Clone ID: 700942656H1

<400> 39682

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tacatcgatg taacatagga tattgcggtcc tctctccagg acaatgaata ggagaaattc 180
attaataaca aaaaataaaa aaaagggggg cccccgaatt atagatctct ttgccccgga 240
atttaatccg ggccgggacc cttcagggtt acaagtttc 279

<210> 39683

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700942658H1

<400> 39683

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ggccggaggt aagagcaaaa agacaaaag aacagcacc c aagtccaatg atatctatct 120
caagctcttg gtcaagcttt atcgcttcct tgttcggaga actggcagca acttcaatgc 180
tgttatactt aagagattgt tcatgagcaa ggtaacaaa cccccattgt ctttgtcaag 240
gttgattaag tatacgaagg ggaaggaaga taagattg 278

<210> 39684

<211> 155

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942659H1

<400> 39684

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cattaagaat cagtcctcag gaaacctctt ggatgagtc aaggaaagct ctgcaccaca 120
cacagggcga acacacatcn cagagacaca cagac 155

<210> 39685
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942661H1

<400> 39685

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 agtcttactc acaaactt ttttctactgc ttccattacg aacatatatt tattatatgg 120
 ctectgaact tgtccccacc gttgtgaaat ccagtgtgc gtccacgaaa cccgcgaccc 180
 ttccatggcg tgcctacgtg acattcctcg ccgaaaacgg tgactacgtg aaaggggtgg 240
 ttggcctcgc caaagggttg cgaaagggtga aaaccg 276

<210> 39686
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942662H1

<400> 39686

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 cgccagccgg ataaccaccg ccgggatc cgccacaaca aggctatcct ccgccgcct 180
 ccccgacgca agggatcct ccgcctacg ctctcaata cgctcagcct tcgaccgac 240
 aacaaaattc aactggcctt ggttg 265

<210> 39687
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942663H1

<400> 39687

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 tggttttgtg aacataacat caattcttac gagtcccaga cagctacaa ttacagcaac 120
 agcgctcaa tgaaacatta tcttgagatt ttgtatttta ttttttattt ttcttcgtac 180

[illegible]

<223> Clone ID: 700942664H1

caatgagtta ttacaaccag cagcaaccgc cggtcggagt tccgccgccg caaggttatc 60

cgccagcggg ataccaccg ccgggatatc cgccacaaca aggctatcct ccgccgccct 180

aacaaaattc aactggccct ggttgtttgg aaggctggt 279

<223> Clone ID: 700942665H1

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tgacatggga gatgtgctta tttctggtaa acccactgga tatgctacta atgactgttc 180

aaatcaagca atcggagcag ctggagttgt aagcaaa 277

<223> Clone ID: 700942666H1

15814 .

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 catctattct caatcgatga aaagtgacca gtatatttct ttctataagg tatctgcttg 180
 tctacgggat agtatccact caattgttat gtaaattgta agaaagtgac gttaataaag 240
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<210> 39691
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942667H1

<400> 39691

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 agccagttcc agtgtacaag cctataccaa agccagttcc agttccagtg tctaagccta 180
 ttccaaagcc agtgtacaag cctattccga agccagtgtg taagcctatt ccaaagccag 240
 taccagtgtg caagcctata ccaaagccag ttccagtt 278

<210> 39692
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942669H1

<400> 39692

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 tcgaattcaa tcatcaatag gaataggga acccgtcct cctccaccaa tgaaggctgg 120
 aggaattgg atttctgaat ctggaaactt catccttggg cccgcacagc agatttcgac 180
 tggaagaact ttgcgaagaa aagttgccg atgagtaa atgtgggagatg attctataat 240
 gctcaatgtt gtgaatgtgt gtcctaatat aaaat 275

<210> 39693
 <211> 130

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700942673H1

 <400> 39693

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 ctgcggatgc 130

<210> 39694
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 <223> Clone ID: 700942674H1

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 atgatgatgg ggttgaaggg acaaagtaat aataa 275

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 <212> DNA
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 <223> unsure at all n locations
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 <400> 39695

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 gcactancgg ganccaccaa catcacccaa gggcatgaga aagcaggaca aggcacaacc 180
 tacaacaaac tcctcaaagc taggcaaata gctgaaagaa tcaattcaca gctaaacaac 240
 tcaaaccaag gcctaaccgt gtttgcacca ctga 274

<210> 39696
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942677H1

<400> 39696

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 ggcatttttg gtttccaagt tacaacaggc tcagattttg tatcaaaagc cattgatata 120
 gctgctaatt agattcttgc tgttgctact cctggacaag ttgaccaggc acagctggat 180
 cgagccaaac aggctaccaa atctgcaatt ttgatgaatt tggaatcaag aatgggttgtt 240
 tcagaagata taggaagaca aattttgaca tat 273

<210> 39697
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942642H1

<400> 39697

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 atatgagttt cacaaattta atcgagtatc aggggggtgaa gtgtatttca cgatgccaaag 180
 gttgcagtca attaccattc agtgtttgga tgcgcttcag tttttgcaca gtcttggact 240
 aatacattgt gacttgaagc cggagaatat tttgggttaag 280

<210> 39698
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942606H1

<400> 39698

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 ttttggctta atgggggatcc gaatgcgaaa aaaggtggtg aattagtttt tgggtggtgtt 120

002220"EFFE560

gacccaaagc acttcaaagg aaaccacact tatgttccaa ttactgaaaa aggttactgg 180
cagattgaaa tgggagattt tttcgttga ggtgtttcaa caggtgtttg tgagggtggc 240
tgtgtgcta ttgtggattc aggaacatct ttgcttgctg gtccaa 286

<210> 39699
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 700942607H1

<400> 39699

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tctttaaaat acctttcctt ttgttataca cattgtttta aaggaacttc tatctcttaa 180
agatttggtg tagtttcttt ttagtggtca tcgatattca atcatgttta acatttttgt 240
tgccctcttg agccactaag gcttactatt aatatcttat tcgcctc 287

<210> 39700
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 700942608H1

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atagtaccct tttatcccaa gttacttaaa tttaaaacct ttattactgc tcatacttgt 180
ttttcgcttt gttaagtttt aagaaaaatg gaggcacatt ctccagttat agccaagaag 240
ctatggaatg tggtgaggat caccttcttc atgatcagga agggctt 287

<210> 39701
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 700942609H1

<400> 39701

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 gggctgccgc taagggaagc cagttggatt caaacaagaa agccatgtct attcagtgc 180
 aggtgtgcat gcaaacatct atatgcacca catcagaagt gaagtgaag gagcatgctg 240
 aagccaaaca ccccaaatct gatctccatg tttgttttcc tcatctta 288

<210> 39702

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700942610H1

<400> 39702

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 gcaaaaaggt cattttttat tggettatga tgggtgcagg tttcagcaga taagtagctt 180
 agcttccttt ttcatatgcc ttgaagggtt ttgatgctgt ttatctgcac tttttgaacc 240
 ttattacctt tgtgttgcat ctgggtggtg ttttg 275

<210> 39703

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700942611H1

<400> 39703

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 ggggacaaag agaaaagaaa acttgactgg caagaggaag aatgcgagga aaaaaggatc 180
 gaatccgtct cctattcctc caacagaaat gacagaattg actgaagcaa tgatacttga 240
 atctaactg tcatggagaa gatccttaaa ttttgatc gga 283

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<211>	245
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<400> 39705

<210>	39706
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<212>	DNA
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<400> 39706

15820

tgatgataaa acatttcacg cactgtatca ccaatgtggt gtctatggac agttctaata 240
 gacactaaga tacctctgat ggagaactgg aacagagttc taccacag 288

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942620H1

<400> 39707

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 agttaagtc tcagctcccc aagccacaag gttgggcatc aaggcttcgc tgaaagacgt 180
 tggagtcgct gttgtggcca ctgccgcgag tgcagtgcgt gctagcaacg ccatggccat 240
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<210> 39708
 <211> 70
 <212> DNA
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<223> Clone ID: 700942621H1

<400> 39708

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 acaacatacg 70

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<223> Clone ID: 700942624H1

<400> 39709

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 accccccaaa gaaggagaag tattagagtt tgacatggaa ggggtgtgga gagaaatgga 120
 gaagcttgct aaggaaaacc ttgtcagaga cattggaata tgcaatttca ctcttataaa 180

gctcgaaaag ctgatgagca ttgctcaaata atgccttct gtctgccaga tggaaatgca 240
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<223> Clone ID: 700942625H1

<400> 39710

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 ttagatctgt gaattacacc aggggaagtt tcacttttcc cgggtgctcag ccctatcccc 180
 atcgcaactt ttctgaggaa gttgctattc ttgatggcta ctttggcaag cttagtgcag 240
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<223> Clone ID: 700942626H1

<400> 39711

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 ccccgacccg ccgagaactt ccgcgcgctt tgcaccggcg agaagggcgt agggcgagac 180
 ggcaagcccc tccactacaa gggtcgtcc ttccaccgag tgatcccgag tttcatgtgt 240
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 <212> DNA
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<223> unsure at all n locations
 <223> Clone ID: 700942627H1

<400> 39712
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 accattacaa gctccggaga aaccgcaaca aaaaaagaaa aaaacacaca aatttaaccc 180
 aaaactgtaa cccagtatg ccattgcttca caccacacca ttgctcctct cctcctcctt 240
 ctctctatct tcttcttctc tctctccgtc accgctgcaa gaa 283

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 <213> Glycine max

<223> Clone ID: 700942632H1

<400> 39713
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 tctctggatg ataagcttga gaaggggaaa gaaatatcgc catcacttgt tagagcaatg 180
 gaagaatcat tcatttcgtt gatcatatac tgaccggact atgcatcttc acgtttgtgc 240
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<210> 39714
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942635H1

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 tattggtttc ttttgtaatt ttatgcattt ttactcctat acgtgtgcat tttattgttg 180
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<210> 39715

<211> 281
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 <213> Glycine max

<223> Clone ID: 700942636H1

<400> 39715

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 taatcatgtc aggaaagtat atcatttctg ctattcttgg atcatttgga gttgcatggg 180
 tttgtgatta ttatgtttca gagaaaaagc tatttgaggg ttctaccctt ggcactatta 240
 cgaacaatga gtgggcagaa gagactgaca aaaaattgca g 281

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 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942637H1

<400> 39716

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 agagaacgag aagaacacaa acacatcaat cttccaaaag attgcaacat ttgaggaaga 180
 gttgaagacc cttttgccta aggaagtgga aggtgcaaga gttgcatatg agaatgacca 240
 atgtgcaatt ccaaacaaga tcaaggctctg caggtctta 279

<210> 39717
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942638H1

<400> 39717

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 tttttacgtg aagggtcgtg tctactgtga cccttgccgt gctgggtttg agacctcagc 180

taccacctac attgctggtg ctgagattat gttgcaatgc aagagcaggg ttagcaacga 240
 gggtgtgtac acgaagaagg ggtataccga ctcaaccgga g 281

<210> 39718
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942639H1

<400> 39718

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 agagtacatc tgggaaagat gtccagagtg tggggccagg acgccagagct catgaggact 180
 ttgggtcgtg gcagatgcga gcgggcaaga ggccaccaga tttggcggtt tgggagcaca 240

<210> 39719
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942640H1

<400> 39719

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 ttctccagcc cgaagcccct caagttctcc agaacaatca gagtagcagc cgccgacgag 180
 accacagagg caccagcaaa agtagaggct gcaccggtcg gggttcacccc accagaactt 240
 gacccaaaca ccccttcccc gatcttcggg ggcagcaccg gcg 283

<210> 39720
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 <213> Glycine max

<223> Clone ID: 700942641H1

<400> 39720

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0953113-032200

agtttagcgat gtagcattca aggtgggaag gaacatcgat tgggatggaa tggcgaagtt 120
ctgggtctccg atgaggctcg cagggagttc tccaatctcc gtcgcgcttt cgacgaggtt 180
aactcccaac tccaaaccaa gtttagccag gaacctgagc ccattgattg ggattactat 240
agaaagggaag ttggcactcg tttggtggat atgtacaag 279

<210> 39721
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 700942604H1

<400> 39721

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caaagtgcaa tactgtggaa tatgccactc agatctacat atgttaaaga acgagtgggg 180
caacacaacc tatectctgg ttcctgggca cgagattgct ggtgtggtaa cagaagttgg 240
aagcaagggtg caaaagttca aagttggaga ccgggtaggt gtgggg 286

<210> 39722
<211> 212
<212> DNA
<213> Glycine max

<223> Clone ID: 700942554H1

<400> 39722

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gacactgtca ctttgtcacc aatattagtt agcctttaat ttgaaactat cgaggagtga 120
ttattacaga ataaaaatga tacttcttac aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
gaggaaagaa gggaaagtag gaggaaaaag ag 212

<210> 39723
<211> 220
<212> DNA
<213> Glycine max

<223> Clone ID: 700942556H1

[illegible]

<210>	39724
<211>	237
<212>	DNA
<213>	Glycine max

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ccaatcatgg cataccctcc atatcattca catcacacc tttctccagc tcctatatat   120
cctatgtggg gacaacctgg cagtcaaaca gccggtgtac agatttgggg ccatcctggt   180
tatcccatgt ggcaccttac agaaagttgg cactggaagc cttatccggg ggtgcat     237
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<210>	39725
<211>	86
<212>	DNA
<213>	Glycine max

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tctggctccg cttccacaca acatac                                     86
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<210>	39726
<211>	243
<212>	DNA
<213>	Glycine max

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gaatgaatat caaaggggaa tgatgcctcc taacacggtg tttggagatc caaagggcat 120
 ccccatccag cagaccattt acagggacac tctgtctcct ttcaactgcc cttactgcgg 180
 tgacaccgct ctactaccg tcagatcaaa gccagtccta gcagcatttg ttggatgctt 240
 tgt 243

<210> 39727
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942565H1

<400> 39727

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 ccgccggagg agctggtggc tgccggcagc agaacgccgt cgccgaagac gacagcgggg 180
 atagctgctg aaccggttcg tggagaacaa ggcgtcggcg gtgtcgtcgc aggtgggagg 240
 acacgtg 247

<210> 39728
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942566H1

<400> 39728

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 gttgctgggt caggagagct tcactctgag atctgtttga aggacttgca ggaggattgc 180
 atgggtcgag ctgagagtat caaatctgac cctgttgtgt cattcagga gactgttttg 240
 gagagatcat gc 252

<210> 39729
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942567H1

<400> 39729

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 gatggtgctc cctatttacg caaggtggat ttgaagatgt acaagagcca ccaagagctg 120
 ttggatgcac tggctaaaat gtgcagttca ttcaccatcg acaagtgtag ttcccaaggc 180
 atgacagact tcatgaacga gggcaaattg attgatcttc tcaacggctc tgattacgta 240
 ccaacctgtg g 251

<210> 39730

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700942568H1

<400> 39730

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 ctcttcactc ttggtcttgc gagagaaagc catgccagag acgaagattt ttggcatgct 120
 gtttggccaa acactcccat tccaagttca ttgcgagatc ttctaaagcc tggccctgca 180
 agtggtgaaa tcgatgatca ccctatgcaa attgaagaaa cacagtaccc ggaaaccttc 240
 ttctata 247

<210> 39731

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700942570H1

<400> 39731

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 tgaaggccaa actgaaccct tctcatcttg aagtgggtga tacatcttga gggcgcggtg 180
 caagttttgt ggtggagatt gtatcagagc aatttgaagg caaaaggcta cttgag 236

<210> 39732

<211> 231
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 <213> Glycine max

 <223> Clone ID: 700942572H1

 <400> 39732

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 tgctatgaac cttgcatttt gcgcatcgtg tggcattgta gggggaattc ttagaggtct 180
 gcttggttct ggaggtggag ttgtgtgggg agctcttctt ctagagactg g 231

<210> 39733
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942573H1

 <400> 39733

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 agggggg 66

<210> 39734
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942574H1

 <400> 39734

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 gatagcattg gtgatgaaaa acttaaggag ctgttctccc ctgttggtac cattacctcg 180
 tgcaagggtta tgagagaccc aaatggctta agtcgtggat cgggtgtggt tgcattc 237

<210> 39735
 <211> 91
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942576H1

<400> 39735

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agaatatctt agctttgtta agggatttgt g 91

<210> 39736

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700942578H1

<400> 39736

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cttctcctcc tggttgagga accacgtcac cggtgccggg agttggcaga agataaggcc 120

ctgtatggct gctgctgatg tctgctctaa gtcacccag gattagatca ctgctgatca 180

attcttcaat tcccatatct gccccttaca gtcaggatgt tgcaagcctc cactgcttg 240

t 241

<210> 39737

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700942579H1

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aattggcaag ataggtgcag ccctcagaaa ttgagtgggt ctgggagaag aagcatcacc 120

tgcaaattcg agagtgtgag actcagtaga gcatgcagtg tggcactgac taccttgctc 180

acaaccgctg cggatgatagc gtctgtggca gcagctgatg aaccgagac tctatccaac 240

at 242

<210> 39738

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700942581H1

<400> 39738

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 ctattgttac gtgacagtga ttgccagcac aatgtaggga ctagtgttat aaagattggt 180
 gaacctcaag gaacagcaaa tgataaagtt attcaggaat gtgcaaaaga gactgggtatg 240
 cctcaagttc tatgtgc 257

<210> 39739

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700942582H1

<400> 39739

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 ctcttccgt tacaaggaaa ttgagaatgg aatgctgtgg gaagttgagg ggaagtgggg 180
 tgtaaagga gcagttgatg tagacattgg tgcagaccct tctgctgagg gtggaggaga 240
 agatgaggga gt 252

<210> 39740

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700942584H1

<400> 39740

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 agagacagca ttttcttttc cacttctatt taattattac tactttaaat tcattcttta 180
 tatagctcaa cctatatctc agtcttcccc ggtccatctt gttcgggttc tgttccattt 240
 ct 242

<210> 39741
 <211> 244
 <212> DNA
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<223> Clone ID: 700942585H1

<400> 39741

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 aggctgcacg aatagctact gaggcaaagt cactgtgtgt tgaaaaagag agcatccaaa 120
 taaacatgga tatggctaca ttaaattcttg agaagcttga agaagagatc aatgacaccc 180
 ttaataaatt acaggagact gaggggatga ttgtattgaa ggagaaagag ttggcaatgg 240
 tcag 244

<210> 39742
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700942586H1

<400> 39742

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 actttgctg agaattccat ggtggatcat gttaaggcct atatggataa cggagtgctc 120
 ttaatcacgg ntctaaaca ccacagaggt gtcaataacc gtgtagaaa cattaacatc 180
 tcttctcgtc cgtgagtgtt gttgttggtg gtctcatgaa atgaaagaat tgttaccta 239

<210> 39743
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942588H1

<400> 39743

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 gcatcttgaa ggagctcaag gatttgcaga aggatcctcc tacctcatgc agtgcaggcc 120
 ctgtggctga ggacatgttt cactggcaag ccacaatcat gggacctgct gatagcccat 180

atgcaggtgg tgttttcta gtttcaattc attgtcctcc tgactatccc ttcaagc 237

<210> 39744
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942589H1

<400> 39744

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 acaccagcac cctcagctga acaagaaatt gggtaacaa taccatctgg accagcacca 180
 gagcctgaat ttgtcgacag tggagaggct tgtggcctct atgggagagg ctctta 236

<210> 39745
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 <212> DNA
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<223> Clone ID: 700942590H1

<400> 39745

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 atcctcaaaa attgactgggt ctgcatttgc catggagaat aaaaataatg taaactcttc 180
 agctattgaa aatattggag ctagttagg agagagagta cataattcaa caaattta 238

<210> 39746
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942593H1

<400> 39746

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 aatattgggt catagaactg tttatcagag gcagcaaata agaagagtct atgaggaaat 180

tttccaggag gatcttgtga aacgcctaga gtctgagatc aaaggagact ttgagaaagc 240

<210> 39747
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 700942602H1

<400> 39747

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ttcaactcct ttgtattttg ccagggtttc aatgagataa acagccgaga aatcgaaaag 120
ataaacatat tcaaaggcat gtttgagagc tggatatttt ttacgggtgat cttctccaca 180
gtgggtgttc aagtactcat agttgagttc ctgggaacat ttgccagtac agtgccctcta 240
agctggcaat tctgggtgct cagtgtcgta atcggagcat ttagcatgcc tatactctgct 300
a 301

<210> 39748
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700942603H1

<400> 39748

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ttcctctgtc agcctccgcc gtcgcctccc ctccactccc tctaccattt ctcagcccga 120
attccttccc ctcaactcctt ctcatcggg ctcgttcacc ttcctctttt agttcctcca 180
tcgctcgtca accatggaag aagcttcctt tcaccgcaag cgcttcttcg caagtgtctc 240
cggcattcac tccctccaac gacgaatctg ataaggccaa actcgagc 288

<210> 39749
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700942553H1

<400> 39749

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tgagattga agaccatcca tacttgcaa aatcagttgg tgtgaactgc atcccagcct 180
ttaagttata caagaatgga tcgaggatta gagaaattcc aggatacaac cacgatgtgt 240
ttgt 244

<210> 39750

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942519H1

<400> 39750

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tgtttcggtc tactcaacgt acagaaggac ggaagnagtt ttatgcaaaa ttagaggaag 120
agcagcaagc aatggaagct gagaagaatc aaagtgaagc taggaccaag gaagagatgg 180
aggggatcat ctancagcta aggaagagtc taacttgtaa agcaagccct atgccaagct 240
ttgacc 246

<210> 39751

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700942520H1

<400> 39751

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agaagttgaa tctagttcac caattcaacc aagaaattgc cgaacaaaca ggaagcggcg 180
tggaacgac tttcaaagtg aaattctccc gagccttgct tctctgtcgc ggtacgaggt 240
aaccgaagat 250

<210> 39752
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942521H1

<400> 39752

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cttccatgct ctatattaca aggaaaacta gtttgctact ct 102

<210> 39753
 <211> 57
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942522H1

<400> 39753

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<210> 39754
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942523H1

<400> 39754

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ttatggtgag atcgtcgaat cgaagggttat catcgatcgt gaaactggaa gatcgagagg 180

gtttggattt gtgaccttcg cctcggagca ggcgatcaaa gacgcaatcg aaggaatgaa 240

c 241

<210> 39755
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942524H1

<400> 39755

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<210> 39756
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700942525H1

<400> 39756

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ccgtggctgc tgagcagaga agaagcaccg ctagtgttgt gacggacaat gaaaagaatt 180
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t 241

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<212> DNA
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<223> Clone ID: 700942526H1

<400> 39757

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tctcacctga aaatgtcttg ctgcgggtggt atctgtggtt gcggaagctc ctgcaagtgc 120
ggcaacggct gcggaggctg caagatgtac ccagacttga gctacactga gtcaaccacc 180
accgagacct tggtcatggg agtggcacct gctaaggctc aatttgaggg tgctgaaatg 240

<210> 39758
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700942527H1

<400> 39758

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ctattatggg cctaattcta gtgaaatata tgctaattggg tcagttcagg caacatccac 120
 tgaagggtgac aaagaagacg ttgaacaaaa taattctcgg ttggacacga gggacctgga 180
 cactaaatgt cacagtttgg ataatacaaca tactcagact gtttcagata tgtctattaa 240
 ct 242

<210> 39759
 <211> 94
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942529H1

<400> 39759
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 gtgaccctaa ggtcttcttc gacatgacga tcgg 94

<210> 39760
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942530H1

<400> 39760
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 gttaccctcc ctccgctctt gcaacccttc tgaaaagctc tctctttttc atctcggtag 180
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 taata 245

<210> 39761
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942531H1

<400> 39761
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ccatgaggtc acttgatgat ggagaatctt atagcgaagg ccttgatgtc aaatgatttg 120
 acagtttcaa tggtgacaac agggagatag aagtgttaat tacatttttt ggtttttccc 180
 attctgttta gctttgttta gactcttttc aatctacgta agttcacagc aaaaagtttt 240
 ccttttaa 248

<210> 39762
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942533H1

<400> 39762
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 catcatcggc atcctcatcc tctcgtttc cctggccggt tttgtcgggt cctactggaa 180
 caaacagggt ctctcgccc tctacctctt ctgtatggct ctctcatcg cctcctcgt 240
 cctcggtctc gtcttcgcat tc 262

<210> 39763
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942534H1

<400> 39763
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 cattttgcca tgacgggcca actccagata aaggttttga aagtaatgag aaattattaa 120
 ttcatccatg ttactggctt ggtttgaatc taaatcgtaa tgcacttgct ccagaggaag 180
 cagaggagat aaatgacgaa tatgatatta atattatttc agataattca gccattagaa 240
 ataaaacaat aggtcaaata actact 266

<210> 39764
 <211> 248
 <212> DNA
 <213> Glycine max

0953113-032700

<223> Clone ID: 700942536H1

<400> 39764

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ctggtggaat ggcaccttat ggtagagtca ttgctaacat tttgatagct gtgatgtttg 120
tttgcttggt ttttgtgacc aacattgtgg cacatgattc agagattgct cctacaggtc 180
aattggaggc tggaactggg tttgatttgc ctgtttctaa ggtgatgatg tgttcttcag 240
tgttggca 248

<210> 39765

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700942537H1

<400> 39765

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tcagtatggt gttgtctgca tgggcagata tgtggagaat ctgtgtgaat gaactatata 120
agagtgaaaa tatagaatct gaagtgcgta ttgtgaataa tatgtaccaa gaagcgatag 180
aatggaagat gaagaggggtg aagatcgatg attaaccagt gtcgtgatgg tg 232

<210> 39766

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700942539H1

<400> 39766

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aataaagaat tccaactttg ctgtggttac atggtccaac tgggattgtc gggatgatgct 120
ttagtctgag tgccgattca agaagatacg gaagcctcct tacttcaacc gctggatcaa 180
cttaaggatt cctttccgtg aggtatttgg tgctgtgaag tgcaatctaa aggtagctgt 240
tg 242

<210> 39767
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700942542H1

<400> 39767

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aacactgctt gttcattaat tgcaaggaat gagtacacag atgcagaaca actcttattg 120
tcaggccgaa gaattgggtca agaggctctg atggaagata acttgggtga tgatgagata 180
gaaattgaat tgtctcctat agctgtacaa ttagcctatg ttcagcagct tcttgggc 238

<210> 39768
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700942543H1

<400> 39768

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aggtgggtgga cgctcgccac ggcggtctta aacgcgccat cgatctttcc atgaagcacg 120
agtacctccc tgacaatctg cagtcaatgc aaacaccatt caggggctac cttcaggata 180
tgctgactct tgtgaagaga gagagagcag aacgtgaagc attgggaggt tccccctat 240

<210> 39769
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700942544H1

<400> 39769

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tatcggtga gccgaaacc ttcgccagga accgggagct ggaggtgatt cacagcagat 180
gggcaatgct tgggtgccctt ggctgcacct tcccagagat ccttgagaag aatggtgtc 239

<210> 39770
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942545H1

<400> 39770

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 acggcgaaat cgttgaaacg caggtctgtt tgttgcaggc atcacatctg atctcacacg 180
 attcggactc ggaattttct cgatcccgtt ctgatctgtg atctctgacg tgtttgcg 238

<210> 39771
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942546H1

<400> 39771

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 aagtttattg tctatcagaa gtcacaaga ccagcttatt tggttaatgct atacatttaa 180
 attgtattgt ttttctttat gttcctgttc tttgtatcaa atagtttgta tgtgattttg 240
 att 243

<210> 39772
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942547H1

<400> 39772

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 ctgcggtagt caaaagccag gtgtctcaag aagctggata tggaagaagt ttgtttgaga 120
 ggctggatatc attgggacac atgaagcacc tgtgtaattg tcagtataga atgcacccat 180
 ccatcagctt attcccaaatt aaggagtgtc atgataagca actttctgag tcccctttgg 240

tcagagaagt gagcta

256

<210> 39773
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942548H1

<400> 39773

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 ctgcgccaaa tctatagaaa aaaaatattc ttgttttttt agcctgacat tctaaagtat 120
 tgtaatgcat ttgaaagata taaatgtata gcatatcgaa ctgggtttccc ctgccccagc 180
 agatgctgag atagcaaagt ttgatgttct tggctcctgtc tgtgagctctg cagatttctt 240
 tg 242

<210> 39774
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942518H1

<400> 39774

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 aaagaatcct cgaaatgatt gaggccgagc aagctaggaa aggggtccaat catggtacct 120
 caaactcaca taacacctat ggcagcggaa gccagaatgg atcaaccatc aacagcggca 180
 atcatcataa caacggcaac tggatatgacg actcatacca ctatggtgaa cgccctattt 240
 ataacgacgg tactttca 258

<210> 39775
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942549H1

<400> 39775

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gtaaggaaaa gggatggaga ctgtgctctt tgagtacaga tatgaagtac acatgtgttg 120
 gtcggtctgg cttagaaagt gctagcaact tccctctgat agccaatgtg cttgtaaacc 180
 cagcagcagg agaagtggct gtctcgtcag aacagaaggt ctatgatgtg gtgatgaagc 240
 aggcaccttt ggtaagag 259

<210> 39776
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942550H1

<400> 39776
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 aataccggtg gcgccggcaa aggccgcact aacatgcgcc gcaccggcaa gagtgatcct 120
 cagagcattt ggtatggccc tgaccgtccc aagtacttgg gtccagtctc ggagcagatt 180
 ccatcatacc tgaccggtga agtccttggg gactacggat gtgacactgc tggagtatca 240
 gctgaccctg a 251

<210> 39777
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942552H1

<400> 39777
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 agatgatgtc acacgtgctt gtaatcagtt gaaatcttca ctctgctcc acatagatgg 120
 aacaagtcca gtagctgaag atattgggag tcactactca cctacggcag aagaatccca 180
 tttgcagaat tgtttgctag aattgacgct gttgatgcaa gcacaataaa acgtgttgct 240
 aaccg 245

<210> 39778
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942482H1

<400> 39778

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tgtgggtattg acatttgatg ggaaatattt gccacattca gaacagaaat ctgagcacat 120
ggtttcaaga acaaggccac tgggaaaaca gtgagtatct tcattggagg accaactacg 180
caatcttcaa caccagtcta cctgcacatg aattatcatt gatctgtaac aaccacaagt 240
tgtatttgat cagtgcatt ttgt 264

<210> 39779

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942483H1

<400> 39779

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atccccctaa gaatgggtcca aatcccccta atcctggacc atcacccctc tcacctgtga 120
agccgcaaaa tgtctgtgac aactactaca gctgtgctga tagtgctact tgttgctgta 180
tttttgagtt cggaatgct tgcttcgagt ggggttgctg tcctcttgag ggtgcttcct 240
gctgtgatga ccactacagt tgctgc 266

<210> 39780

<211> 84

<212> DNA

<213> Glycine max

<223> Clone ID: 700942484H1

<400> 39780

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tctgccattg cagctgttgc catc 84

<210> 39781

<211> 55

<212> DNA

<213> Glycine max

<223> Clone ID: 700942487H1

<400> 39781

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<210> 39782

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700942488H1

<400> 39782

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cagctcatga ggaggtatg cttgccattg gagctttggc ctatgcaact ggtgctgatt 180

ttgcgaaata catgacagaa ttttacaagt acttggagat gggctctcaa aattttgagg 240

actaccaggt atgtgctat 259

<210> 39783

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700942489H1

<400> 39783

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caaggcccta gctggagctg acaggaagga gttaatgaga aaattgcaa agtttatata 180

tgatgaagaa aaggcttttag agaaaacccg gaaagtactg gctgagaaga ttgaacaact 240

gaatgctgcc atagatgatg 260

<210> 39784

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700942490H1

<210> 39787
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942493H1

<400> 39787

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 ccaactttgg atgattgggg tgccagcatt ttttggcgta atatgagtgc tgtgatatt 179

<210> 39788
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942494H1

<400> 39788

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 cggaatctac cttctcaatc tcttgattgg ctttctctcc cctttgggtg atccagagct 180
 cgatccctcc aacgccccta tgcttccaac caaaggctcc gatgagttca aacccttcat 240
 tcgccgcctc cctgagt 257

<210> 39789
 <211> 126
 <212> DNA
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<223> Clone ID: 700942495H1

<400> 39789

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 cgattc 126

<210> 39790
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<212> DNA
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<223> Clone ID: 700942496H1

<400> 39790

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 gctggtctac tttgtgggtt tgggaatggt cttgaattta tgggtggtca agcagcagga 120
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<210> 39791
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 <212> DNA
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<223> Clone ID: 700942501H1

<400> 39791

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 tgctttgatt ctgtggctgt tgctagcaat caacatggcc ctgccaaccc tcgcaaccgt 120
 ctacaccgtg ggagatactt caggttgggc aattggtact gattatagca cttggactgg 180
 cgacaagatc ttttcagtgg gtgatagtct cgcgttcaac tatggagctg ggcacacagt 240
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<210> 39792
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<223> Clone ID: 700942502H1

<400> 39792

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 ggaatacaga accttagaac tcaacatcat atccgcaaag gacatcaaga acgttaacct 180
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 gggcgccacc acccagctcc a 261

<210> 39793
 <211> 255
 <212> DNA
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<223> Clone ID: 700942503H1

<400> 39793

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 acaaccccaa gcctacctca atacaacaaa atgccagaac tggaaaagca acttaatggt 180
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 aatttcaatg tgctt 255

<210> 39794
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942504H1

<400> 39794

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 gatgcactca gagaagcagc ttgtaactac agagatctga ggaaccttga atctgaagtt 180
 tcacccatg aggacaatcc caaagagtca ttggctcaga ctttgagaaa gatacaagca 240
 ctgcaagaca ggt 253

<210> 39795
 <211> 245
 <212> DNA
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<223> Clone ID: 700942505H1

<400> 39795

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gaatgttagg aggagtgagc tggatttgaa tcccacatct gctgatatgg ctaacaggaa 240
 ggaga 245

<210> 39796
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942506H1

<400> 39796

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 tgaagaagat gatgatgac ttgatctctt tggatgatgag acagaggaag ataagaaggc 180
 agcagaggaa agggaggctg ctaaaaagcc tgccaagaaa aaagagagtg gcaagtcttc 240
 tgtcct 246

<210> 39797
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942508H1

<400> 39797

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 tctcagagct aaattcccca acgccaaact tggccaggga tacggaatga ctgaggcagg 180
 gcctgtgcta acaatgtctt tagcttttgc tagagaaccg atagacgtga gaccaggtgc 240
 a 241

<210> 39798
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942510H1

<400> 39798

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tgtgaaacgg ataagttgac tcatttctat acattttattc taaggcctga tgcctcttat 180
agtatccttg ttgataatcg ggaaagagat tctggaagca tgtacacaga ttgggacatc 240

<210> 39799
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700942511H1

<400> 39799

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ttatgatata ccgtctcttc taattatcag ttctaagaaa tttggaaatg tggctagata 180
catgaatcat agttgctccc caaatgtttt ctggcagcca gtcttgtatg cagaaaataa 240
tc 242

<210> 39800
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700942512H1

<400> 39800

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aataccttgt ccctgctgat ttgactgttg gccagtttgt atatgttgtc cgcaaaagga 180
ttaagctcag tgcagagaag gctatTTTTTg ttttcatcaa taacactctg cctccaactg 240
ct 242

<210> 39801
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700942514H1

<400> 39801

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tatatatcat aagccgtttt gttttaccgc acctttttat ttaacacgac cattgtgatt 120
ttgggggttg ggccactgta aaattggttg gtgccggatt atggcctcca aaattcttag 180
ctttgggtca ttattaaaga gattggtagg ttggccttca aaaaaaaga agggggggcc 240
ccc 243

<210> 39802

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700942480H1

<400> 39802

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atgttatgtt tgaccagcct cacgatagcg ttgagtatat tatacctgtg gactgttgtc 120
caagtagctc ctaggaatca atatacagcc atttaacttt tagtgttttc tgaacaaatt 180
gttcactgat tacacgatcg ttcatagtta ccccagatag acatggaatc aatatacttc 240
ttggatgaat agc 253

<210> 39803

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700942515H1

<400> 39803

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gcaacacact ccaa 75

<210> 39804

<211> 249

<212> DNA

<213> Glycine max

<210> 39807
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942425H1

<400> 39807

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 gagaatttga gacttacctt tgagaggaaa gtgaacagtg tgggaattcc cttgtccatt 120
 aggatgatca agaagaagct acaattggaa gaggggtctca aagaggctgg tgagttgaat 180
 gaattaacca actgttctgt gaacaagacc ttctcctcta tgatgtgtat aatgc 235

<210> 39808
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942430H1

<400> 39808

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 agtgaggtgt tgggagagca agcttcaagc agagatagcc cttaattagg aataatgata 180
 aactattaat gtgtagctaa aaccttatgt attatgtctg tgatggtttc gcgcgccact 240
 cggggtgtttt 250

<210> 39809
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942431H1

<400> 39809

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 cctctgaaag aaatgggtag tcttgaagcg gaaagaacaa cagtaggatt ggcagcaaga 120
 gacccttcag ggattctctc ccatacacc tacaatctaa gaaacacagg ccctgatgat 180

gtttacatta cagtccacta ctgcaaaatt tcccattaga accaca

226

<210> 39810
<211> 115
<212> DNA
<213> Glycine max

<223> Clone ID: 700942432H1

<400> 39810

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gtgatatgaa gatggccata gatgatgctt tgaacgcctt ctctcctggt tccac 115

<210> 39811
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700942433H1

<400> 39811

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tcttcgtgcg cgccaattgg ctgtaagcgg tcaagggtg cacagctccc aaaactatgg 120

ccttcgatta agtgcacact cctactctac caaaagagac gatgaagaca gggagcaact 180

cgcaaaggaa atttcgtagg attagagttc tgtttccgaa cgtagcatca 230

<210> 39812
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700942434H1

<400> 39812

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tttttgtaag agaaggaaca agactcacac tctctgtgtg aggtgtggcc gccgcagctt 120

ccatctccag cagagtcgtt gcgcgcttg tgctttcccc gccgcacgca ctaggaaata 180

taactggagc gtcaaggcaa tccgcagaaa gaccaccgga actggcagga tgaggtacta 240

tgcgtaacgt gctcgcgga ttcaa 265

<210> 39813
 <211> 254
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700942440H1

<400> 39813

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 cagagagcat catcatcatt atcatcacct cacgcgctag gncctccgt ggactgtccc 120
 aacctggttc tcaccatggc cgattgcttg ttcttcgtca ccaacggcag caccatcaca 180
 aagccagagg gcacatgctg ctctggtttg aagtctgttc tcaaaaccgt tccggcgtgt 240
 ctctgcgagg cttt 254

<210> 39814
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942441H1

<400> 39814

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 .aagaattcaa tagttttctc caggattctc tctgttagtt tgaataaaga gacatgtcta 120
 agacttaggt aaatccaact atcagcaagt caactggatt gcctcgaaag cgcttctatc 180
 gagcacgagc acacagcaat ccgctgagtg actctcactt ccctgtgcca atttcaccca 240
 gccatgttga ctattccct 259

<210> 39815
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942442H1

<400> 39815

gaaatcatta cttatactag ttttctacga ttattcatag tgaggcaata gtagcagcaa 60

ttcacactgg tctttgcttc tcgttactca tttctcacct aactttctat tcttctcagt 120
 ctcagatcag aaccttagcc atggcagcgt tccagaagat caaggtcgcc aaccccatcg 180
 tcgagatgga cggagatgaa atgactaggg ttatctggaa gtcaatcaag gacaagctca 240
 tt 242

<210> 39816
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942443H1

<400> 39816
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 atattaattt tggctctttc tattttcatc tttacatct tagtcttttt taaaatttaa 120
 aattaactat ccacaagtaa aaagtatttg acagtacaca tctcatgttt aatacaaatt 180
 caacactcca tatcgagca gttcaaaaaa aaaaaaaggg cggccgcc 228

<210> 39817
 <211> 77
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942447H1

<400> 39817
 gcattttctg ccctattcgg cgcgggtcc accgtcgccg aagggtcgtc ggagagttaa 60
 cacgtgttgc cgttcca 77

<210> 39818
 <211> 79
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942448H1

<400> 39818
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 agatgtgcac acgagaatt 79

<210> 39819
 <211> 114
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942449H1

<400> 39819

cggtatcgag cgctcatcg tctcccgatc cgtccaggag gatttcaacc gccgccgcaa 60

cctcgccgcc atctccgccg tcttccccga gggagcgccg gatgtcgatc cccg 114

<210> 39820
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942454H1

<400> 39820

cacccagttc atcttcatgg gttcaatttc tttgttggtg gaagaggagt aggaaatttc 60

aacccccaaa ttgaacctaa gaactttaac cttgttgatc ctgttgaaag gacaactatt 120

ggagta 126

<210> 39821
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942456H1

<400> 39821

tgaaagtaag acttcaagtt caaacctttc tcacaagagc aaggaagatt tatgggctgt 60

caagtccagt ggctttgatg gtgacaatga tctagatgcg gcgaaaattg cagccatgag 120

agctgctgaa ttgggttaata ggaacttagt tgggcctgga tgcttgacta ctgaccaaaa 180

gaagaaaactg ttgtgggggtg gcaaaaagag tacaccgact gaagagtctg gccatcgatg 240

ggataccggg atgttttctg atcg 264

<210> 39822
 <211> 263
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700942457H1
 <400> 39822
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 cggccgcgca ccaatcttca atttgattac ttgggtcaac gatttctgtc attctcaatc 120
 atggcaacta gacttcagtt tgaaaataat tgtgaagttg gagtcttctc taaacttacc 180
 aatgcctact gtttggttgc cattgggtgg tctgaaagct tctacagtgt atttgaagcc 240
 gagttagcag gtgttatccc tgt 263

<210> 39823
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942458H1
 <400> 39823
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 atgtggaagc aacctatgac gaccaagagc ctaaagacat tccccaacgc tctttttggt 120
 ctgaaagggtg gacgaggtgg tegtgttaact tgcattggcct cgtacaaggt gaagctcata 180
 accccagcag gagaagtgga gtttgaatgc ccagatgatg ttttcattgt tgacaaggct 240
 gaggacgaag gcattaaact tc 262

<210> 39824
 <211> 112
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942464H1
 <400> 39824
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 aggtgatgcc aatgaagaac ttgtcagatg gacagaggag ccgagtgata tt 112

<210> 39825
 <211> 258
 <212> DNA

<213> Glycine max

<223> Clone ID: 700942465H1

<400> 39825

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 ttggacagta cttcggagct tccttaactt gtttgtaa atgacgacat 120
 agtgcaatta gaatggctgt ccaattttgt cgaggactct ttctctggtg ggagcatcac 180
 catgaagaaa gaggaggagc cacaatgcac caccaccacc aaagtggacg tagctcatgc 240
 ccaatttcag acagcaag 258

<210> 39826

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 700942466H1

<400> 39826

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 ggctgggtag cgaatcacia tggcgagagg attaaacgag catctgaaga ggcttaatgc 120
 cccaaagcgt tggatgcttg acaaactggg tggatgcattt gctcctaagc cctcatctgg 180
 accacacaac 190

<210> 39827

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700942470H1

<400> 39827

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 atgcttgggc ttatgccact aactttgtcc ctggacaatg aggatgccta catgcaatgc 120
 aatcttctgc tcccttttgc agttcccttg tgtttaactc cattttcact aatgtaacta 180
 cacctgtgta gcagaaaaat ctgtatgaga accattatat tttaatatat aagatatgtg 240
 ggtcccaaaa aaaaaaagaa a 261

<210> 39828
 <211> 81
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942471H1

<400> 39828

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 ttctacctcc tccaatgact t 81

<210> 39829
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942472H1

<400> 39829

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 tttcgtgtac cattttgtct gtccttggtg tacggtatgt caggagtcaa gaacacttga 120
 gatgaacaat gttcaaaacg gaacatggca tggtcggggg gacacaatat gtatagggtg 180
 atttagagat gaaagtaaag ctctctgtga gttacgtcct ctttctggtg tgtcc 235

<210> 39830
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942473H1

<400> 39830

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 atcgaagccc tttggcgtaa cgagcaattt tgggtcattg gaggtgtttc tgctcacctt 120
 ttcgccgtgt tccaaggctc tctcaaagtt cttggtggag tagacaccaa cttcactgtg 180
 acagcaaaag cagcagagga cactgaattc ggagagctct atctcttcaa gtggaccact 240
 cttctcatcc ctccaactac 260

<210> 39831

<211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942474H1

<400> 39831

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 gagtattcaa ttaggcacaa atgatgttgt tgtggctggg ggtatggaaa gcatgtctaa 120
 tgtaccaag tacctggctg aagcaaggaa aggatcacgc cttggacatg attcacttgt 180
 tgatgggatg ttgaaagatg gtttgtggga tgtctataag gatgttggca tgggagtgtg 240
 tgctgagcta tgtgc 255

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 <211> 230
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 <213> Glycine max

<223> Clone ID: 700942475H1

<400> 39832

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 gctggtggag cacatggtgg tggttctgga ggaggtggta gaagtgggtg tggccatggg 120
 ggctatgttc cctaagaact actcttcaat gcacaatagc tgtggaagtg tcccctttcg 180
 cgtatcaaga atgatgagta tgctattaat aacaggatca taataattaa 230

<210> 39833
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942423H1

<400> 39833

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 aaagaagccg caggcggaga acttaacaat tcgtctcctt cgcccttttc ttctcatgct 120
 tggaaaagtc gaatcggtat tccaaccctt ctgcaggag ttgctgggtgc tggagctggg 180
 ttgatttaca agcatcagag aactcttcag tcttacaact gtgtattcta actatgacta 240

tgaatttcac gattgtcagc gggtgcta

268

<210> 39834
<211> 110
<212> DNA
<213> Glycine max

<223> Clone ID: 700942476H1

<400> 39834

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tctataatTTt ttcgtattct aaaaggTTTTt cagagtcatt caattcttca 110

<210> 39835
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700942477H1

<400> 39835

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aaaactgaaa atcttcatca ccaggcacia gacttcagga attctgggac caaaattcgt 180

agaaaaatgt ggctgcaaac catgaagata aacctgattg tgttggcgat tttgat 236

<210> 39836
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700942390H1

<400> 39836

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tctaaaaaat cacgaaggca tggcagtga cgaagaagt ctcggaagca tgcaaactct 120

cctgaatcag acaatgaaaa ccggcataga gacacaagag ggaccactgg gatggttcca 180

ggaaaactgg ggggcatgag gactttagac ggggagctct cggaatgat gctgagaact 240

agttgttctt tc 252

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Population	121.2	121.3	121.4	121.5	121.6	121.7	121.8	121.9	122.0	122.1	122.2	122.3	122.4	122.5	122.6	122.7	122.8	122.9	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.8	123.9	124.0	124.1	124.2	124.3	124.4	124.5	124.6	124.7	124.8	124.9	125.0	125.1	125.2	125.3	125.4	125.5	125.6	125.7	125.8	125.9	126.0	126.1	126.2	126.3	126.4	126.5	126.6	126.7	126.8	126.9	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.8	127.9	128.0	128.1	128.2	128.3	128.4	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	130.0	130.1	130.2	130.3	130.4	130.5	130.6	130.7	130.8	130.9	131.0	131.1	131.2	131.3	131.4	131.5	131.6	131.7	131.8	131.9	132.0	132.1	132.2	132.3	132.4	132.5	132.6	132.7	132.8	132.9	133.0	133.1	133.2	133.3	133.4	133.5	133.6	133.7	133.8	133.9	134.0	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7	135.8	135.9	136.0	136.1	136.2	136.3	136.4	136.5	136.6	136.7	136.8	136.9	137.0	137.1	137.2	137.3	137.4	137.5	137.6	137.7	137.8	137.9	138.0	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0	139.1	139.2	139.3	139.4	139.5	139.6	139.7	139.8	139.9	140.0	140.1	140.2	140.3	140.4	140.5	140.6	140.7	140.8	140.9	141.0	141.1	141.2	141.3	141.4	141.5	141.6	141.7	141.8	141.9	142.0	142.1	142.2	142.3	142.4	142.5	142.6	142.7	142.8	142.9	143.0	143.1	143.2	143.3	143.4	143.5	143.6	143.7	143.8	143.9	144.0	144.1	144.2	144.3	144.4	144.5	144.6	144.7	144.8	144.9	145.0	145.1	145.2	145.3	145.4	145.5	145.6	145.7	145.8	145.9	146.0	146.1	146.

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<211>	255
<212>	DNA
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<400> 39838

<210>	39839
<211>	148
<212>	DNA
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<400>	39839
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15866

<210> 39840
 <211> 152
 <212> DNA
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<223> Clone ID: 700942394H1

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 catcatcgtc cccgcccaca cacaacaacg cggatccgaa gaaaaacact tgttctgacc 120
 caatgcatcc atggtgggaa tccgtctaaa aa 152

<210> 39841
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942395H1

<400> 39841

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 gtcaaagaca aacgagctct gactcgccgg aatctcaccg gaaagcaagt ctttctgaac 120
 ctgtcgtgct cgga 134

<210> 39842
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942396H1

<400> 39842

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 cctaaccatg aatcatactg agagggttagt tactagttat tgaaaaacag tgttacatgc 120
 cattattcca cacaacat 138

<210> 39843
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942401H1

<400> 39843

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 tgaaagtgc tatagaattg ggttctatgt atctgtacct gtaaaactta gatggcctgt 120
 tcttgcaata gccatacttc aagctgtggt tggaagtcaa gctgtcatca cagggacttt 180
 ctccataatc aaacaatggt ctgctatggg atgtttcccc aaagttaaaa taattcacac 240
 atcatcgcaa atgcatggcc agatttaca 269

<210> 39844

<211> 116

<212> DNA

<213> Glycine max

<223> Clone ID: 700942402H1

<400> 39844

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 tctccctgtg aactctcggt cegattcggt ttcgttggtc ttctagaagc ttcttc 116

<210> 39845

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700942403H1

<400> 39845

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 ttcaaaaaag atttgtagac accttatatg ctatttgaca cagataaaag gaataataga 120
 ggtatgataa atgatatgat gtgataggaa gagagaaaag ataggtgttg atggagcatt 180
 agtaattaaa ggggtgtctaa ctatcattgt tcgattaact tggaagtga tgtaagttgg 240
 cactagttaa aaatctgggtc agttcga 267

<210> 39846

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700942404H1

<400> 39846

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gcacgtagct tcttgcagga tctggaaagg gcatgtagag atcatctgag gaggagatgc 120
tggggaattg gttttggttt aggcttccga gtgattgctt tggatccaaa ctttagaaag 180
ctatctgtgg aacatattgt ttcagcttat aagaggacca agcaccgagc aattcttttg 240
gattatgatg gcactatggt g 261

<210> 39847

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700942405H1

<400> 39847

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ccctcctcgt gggggtctcg acaatgttcg tgggctagat agtatttggg gacgtgatca 120
tagttcactg cctgcctgtg gttcctgctg tggctgattg ttagagatcc aatgtgtgta 180
tatgcctttt atatgttacg gtttgtatct agtg 214

<210> 39848

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700942406H1

<400> 39848

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tggctgagga gaaacaccac caccacttcc accaccacaa gggcgatgat gtgcctggcg 120
aggttgatta taagaaggag gagaagcacc acaagcatct tgagcacctt ggggaacttg 180
gtgctgcggc tgccggtgct tatgccttgc atgagaagca tgaggccaag aaagaccag 240
agcctgctca 250

<210> 39849

<211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942407H1

<400> 39849

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 atttccaatg tcaactccaa atttgtcagc agccccagaa tgggctcatc acactcctcc 120
 aaattcagca ccataataag aatgtctgcc actgccaccc caccaccatc cacctccaca 180
 aagccagcaa gcagcaagaa gggcaatatc aaggagatcc tcgtgactcc aggattctac 240
 accactgact ttga 254

<210> 39850
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942408H1

<400> 39850

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 tacgtattcc atggctactt ccatgctaac tgctcgcaaa tccaccggtg gaaaggctcc 120
 taggaagcaa ctgccacca aggctgcaag gaaatctgca ccgacaaccg gtggagtcaa 180
 gaagcctcat cgctatcgcc ctggaactgt tgctcttcgt gagatccgaa aatacaaaaa 240
 gagcacagac ttctgatccg c 261

<210> 39851
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942409H1

<400> 39851

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 aagattatgc gaacaatatg gttgtccttg ctgcatccat tgtgagcaaa tctggcaaag 120
 tgctagtttc tagacagttt gtggatatga ctgcataag aattgagggt cttctagcag 180

catttcccaa gttggtaggg actggaaaac agcacacgta tgttgaaact gagaatgtgc 240
gctatgttta ccagccaata gaa 263

<210> 39852
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700942410H1

<400> 39852

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cagttattga taagtctttt ggctttgaca ctgctgttga ggaggctcaa cgagctataa 120
atgcagcaca tgttgaagct gaaagtgtag aaaatggcat aggtgttgtc aagttgatgg 180
gtagaaacag cggatttatt gcaatgtatg ctactcttgc gagtcgagac gtgga 235

<210> 39853
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700942411H1

<400> 39853

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tattaagggg acaagagaat cattccatat ttcttacttg ctaagatacc atacttcaga 120
atcttctcgg taactatttg gcttttgcct aagaccttat attttgcagg gttaagggtc 180
aatgaggtgc atagatatgg tgttacatag ctcatacata gtggcattat cgagtgcaca 240
atcagctctt tgataccaaa attc 264

<210> 39854
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700942412H1

<400> 39854

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 ggtgttccac aaagttaaata atataaaagc tatgatgtcc cttcagtttg ggtactccgg 180
 aatgtacatc atcaccatgg tttctttcaa gcatggcatg agccattggg tactctccgt 240
 gtaccgtcat atagttgccca ctct 264

<210> 39855
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942413H1

<400> 39855

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 atctcctact tgctgaagcc gaggcagcag actgcgatgc tgagaaactt aaatcaactt 180
 acaaatttga ggcagaagac ttcactgatc taaaaagaca ttttaatttca atggatcttg 240
 tttcgcactc tgatcagaag caac 264

<210> 39856
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942414H1

<400> 39856

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 aggacagcat tcttttgctg acgactttcg gagagattaa ggagaggctt ccagagacag 120
 aggagacgtg tgcggtgtgc ctgagccagc tgagcgtgga ggacgagggtt agggagctca 180
 tgaactgcta ccacgtgttc cacagagagt gcatagacag atggtttagaa aacgaacacg 240
 agaatcaagg cgccacgtgt cc 262

<210> 39857
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942415H1

<400> 39857

agagcccggg atatcgccca ggggtgtgcac ggccacttca ccaagcggcc agaggagggt 60
 ggtgctgggtg accagggtca catgtttggg tatgccaccg atgaaacccc cgagtacatg 120
 ccctcagcc atgtccttgc aaccaaactt ggtgctcgcc tcacagaggt taggaagaat 180
 ggcacctgtg cttggttgag gccagatggg aagacacaag taaccgtcga gtactacaat 240
 gacaatgggtg ccatgggtcc agttc 265

<210> 39858

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 700942416H1

<400> 39858

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 ccaaccgtta tggctgcctt cagcgggtgat gaaacggcac cgtttttcgg cttccttggc 120
 gccgcagctg ccctcgtctt ctctgtatg ggagctgcct aatggcgag cgatagatgg 180
 cgtgggcgtc a 191

<210> 39859

<211> 157

<212> DNA

<213> Glycine max

<223> Clone ID: 700942389H1

<400> 39859

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 aacagttacg ttatttccag gccaaatagc tatgtgttga tggagatgga acagttccta 120
 tagatcagcg aagctgatgg cctcgagcag gtgctgc 157

<210> 39860

<211> 268

<212> DNA

<213> Glycine max

002220"ETTES0

<211> 115
<212> DNA
<213> Glycine max

<223> Clone ID: 700942422H1

<400> 39863

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ggctgtggcc gttcttggca gcagtgaggg tgtcactgga actattcact tcgat 115

<210> 39864
<211> 96
<212> DNA
<213> Glycine max

<223> Clone ID: 700942331H1

<400> 39864

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catctgggca acaatgatgg catgaatctc tcagcc 96

<210> 39865
<211> 66
<212> DNA
<213> Glycine max

<223> Clone ID: 700942332H1

<400> 39865

ggaattcgga tcgaggtggt gttgttgcca accgcacttc ctctccatg ttccacacaa 60
catacg 66

<210> 39866
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 700942333H1

<400> 39866

cgaaaaaaaa aagattcgat agaaactaag aaaataaaca aattgattcg ccgagaaaga 60
ggagagatag ggattcgaac cctcgatagt tctttgttcc gaactatacc ggttttcaag 120

accggggcta tcaaccactc agccatctct ccaaagctaa tttatatttt atctttattc 180
cacacaaca 189

<210> 39867
<211> 174
<212> DNA
<213> Glycine max

<223> Clone ID: 700942334H1

<400> 39867

agaatcttct gtttttggat ctatatactt tggtttatga tgatggtgtg tttgaatcag 60
aagagtggat aggtttttgg tttggaattt ggattgggtt ggttttgttc tcattctctg 120
tctctcccca attggccctt ttatttgata gtttgatggc acttgatctg gttt 174

<210> 39868
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700942336H1

<400> 39868

aattcattct catacattcc ttcttcttct tcttcttctt cttcttcttt cacaatcaca 60
atggtgcgag tggcgctgga tggtaacccc atcaagccac ttacgatctg catgatcggc 120
gctggcgggc tcacggggtc gcacctctgc ggaagctcat gtccgaaacc cctcacaccg 180
tctctgccct cgacgtctac agcgacaaga tcaaacacct cctggatccc gccgattccc 240

<210> 39869
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700942339H1

<400> 39869

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ctgggtctgc cgggtggcggc gacggtgaac tgcgccgaca acaccggcgc gaagaatctc 120
tacatcatat cagtgaaggg gatcaaggga ggctgaaccg gttgccgtca gcttgcggtg 180

gtgacatggt tatggccacc gtcaagaagg gaaagcctga tctccgtaaa aagggtgctcc 240
ccgccg 246

<210> 39870
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700942340H1

<400> 39870

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ccatttgcgt tgaaccaaca tgagcaacag aaaagacaag aatgatgatg agtctagtga 120
gagaggtata ttttcacatc taggatatcc agtgcaccac cccctaccc tctccacat 180
ggataccac catcaggcta tccacctcca ggagggtatc cccaacagc ctatccgccg 240
ctgggaggat at 252

<210> 39871
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700942341H1

<400> 39871

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catataaaaa catgacaaaa atggacatgg aattctcacc atcttcccct taagtttatc 120
ttcattatta tattggttaa tttgaagctg cagtacagtg gtaagtaacg gaaaatgggg 180
ttgcacatgg tggctgtggc gaagtccac ttgcgatgtt gccagacaca gtgtaggccc 240
tgtggtggct t 251

<210> 39872
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 700942347H1

<400> 39872

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 cgcggtgtgc tggccttagg gaagcgagtc gccaacggga tctggacttc caacgcacct 120
 cctctctctt caaggagggg agcatacagt agcgctcagt gtacgaccag aaccctgatg 180
 atgagatcca gtctgggcag gtcccagacg t 211

<210> 39873
 <211> 115
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942348H1

<400> 39873

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 cctgtatgat gattgccttt caataagttt cacgcagttt gctcatgtga aagat 115

<210> 39874
 <211> 109
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942351H1

<400> 39874

atttattatc aaccctaagg gtgaggtagc tattagtcag cgtatcggcg caaagtcgta 60
 tacatcatta cataccctcg tcaatgacat gtttccacac aacatacga 109

<210> 39875
 <211> 188
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942355H1

<400> 39875

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 ctgaagattt ttctctcttc tctgttattc ccaatgtatt tacctgattc tgtagcaga 120
 ctctggggag tctcgttttg taggaggtct agttggggct ctcggccctt ttgctcacat 180
 aaatataa 188

<210> 39876
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942357H1

<400> 39876

atcaactctt tcaaaaggga gatgaaaagg aaaggaaaca aaacgcacaa aggattatta 60
 tagcaatggc agaacaaaac caaaaccaga caactgaagc tgcaaggcac caagaggttg 120
 gccacaagag ccttctccag agtgatgctc ttaccagtat attctggaga ccagtgtcta 180
 cccaagagaa cctgaatcca tgaagaact gagagagttg acagcaaaac acccatggaa 240
 catcatgaca acctctg 257

<210> 39877
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942358H1

<400> 39877

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 gggaccaggt tggtattcac agggacatca aatcgagcaa cattttgttg gacgccgaca 120
 tgagagggag attaggggac tttggtttgg caagctttac acgcacgggg aggttccac 180
 aacaaacgtt tggtgggaac cttgggcact tggcggcgga tctggccacg g 231

<210> 39878
 <211> 153
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942359H1

<400> 39878

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 actggccaat caagtaagtc aaatgctaga aaagagtcca aaaagacaag aggtcgcaac 120
 tcgtgatcca tcaaatagtg cctgttgaga aaa 153

<210> 39879
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700942360H1

<400> 39879

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tgaggggttcg ttgaaagtgg cttctgaggg agaagaaaca gggagatcca ttccttatct 120
atcatcaagc attgccagta cattttcctt caaatacaag attcgaaggg cagaatgcac 180
agtttcacat gtgataaccc ggagcatgct ggaggttata acttcgaatc ttca 234

<210> 39880
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 700942363H1

<400> 39880

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gagggtcagc atgaggaaga ccgtcaccaa gcaggcctcc tccggaagcc catggtac 118

<210> 39881
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 700942364H1

<400> 39881

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taatgtgttg tagcagcagt catgttacat gtaccttcac ggtagcacat gggtgtgggt 120
agtgaagga cttctgggga ctttgcaaac atgcttgctg cagctcatgc attttcatga 180
tcccaca 187

<210> 39882
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<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942365H1

<400> 39882

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atgaacagta aacgatgtat tttttaacaa aaaccagaaa a 101

<210> 39883

<211> 106

<212> DNA

<213> Glycine max

<223> Clone ID: 700942367H1

<400> 39883

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acactgcata ttctcaaag cctcatcaaa ccacactgca tccaaa 106

<210> 39884

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700942370H1

<400> 39884

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tgtttgtcag catgctggct gtggagtttt cttaggattg aggagtccaa gaaccacatt 180

cactgtgaca gatgtgatca ggcgttccag caggtagaat tagaaaagca catgaaagtt 240

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<210> 39885

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942372H1

<400> 39885

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aatgtcgagt ccaatgacaa agtacataat gataataatc ctgaagaagt gagagatggg 120
acgagcaaat gttgattcga gggacaatcg gccttgattg acaataacac ggcacagagc 180
ctgactgggtg aggatataga agccatgcga agacaagggtg cgggaggtaa tgaaataaat 240
gaagctctca t 251

<210> 39886

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 700942373H1

<400> 39886

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actaacctcg cccttctcgc tctgcctggc gtcagaactg agtacctaaa acgggttcta 120
agtcattcgc aggcatttga attgagtgat atttcctgac taaattaggt gttgccagag 180
agaacgttga tgacacagct aggtgactgc tcagatt 217

<210> 39887

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700942329H1

<400> 39887

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catgccagag acgaagattt ttggcatgct gtttggccaa actctcccat tccaagttca 120
tta 123

<210> 39888

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700942374H1

<400> 39888

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gcataattctg tcttccacac a 81

<210> 39889

<211> 85

<212> DNA

<213> Glycine max

<223> Clone ID: 700942376H1

<400> 39889

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tcctcccttt acgatttgac ttcgt 85

<210> 39890

<211> 165

<212> DNA

<213> Glycine max

<223> Clone ID: 700942377H1

<400> 39890

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agcaatcaca cgcaaaaaac acaagagaag gcttagtccc ggaccaggta atagtcatga 120

tatgcttcca ctgtccaaag atgattggga cctaagcaag gagta 165

<210> 39891

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 700942378H1

<400> 39891

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agaagggctt ttgagatgtt tgtgtgggag aaagaaggga gtgggttgcac caccgccaaa 120

gggttgcaaa ggatgttgca tcgccttggt gag 153

<210> 39892

<211> 153
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942380H1

<400> 39892

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 aataatgtac gagcagaact gttccaagat tcattgggtt tgagcagtag tgaaacgtgg 120
 aacatgagcc accatcaagt ccatgctctt cct 153

<210> 39893
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942383H1

<400> 39893

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 aatgcattag cagtaactgt gatctcctca gttgcttggg ttggatatgc ggtatacttc 120
 aaggctacag atcctttcaa tgagcgctgc aaagtgcttg gatcatcact gcattctggg 180
 acattctagc atttg 195

<210> 39894
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942385H1

<400> 39894

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 agcatggttt ccagcctctc aagcttacia gagctagtgt ccggtccaaa ctgtacagat 180
 tatacggcca gaagattaga aatccgatat ggtcaaaaaa agagcaatga gcaaataaag 240
 caatatgttc 250

<210> 39895

<211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942386H1

<400> 39895

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 ccatttgag gctgtgaagg tccgtgtcaa actcagcctg gttttgcaag gggtttgtct 180
 gatgggctcc caaaatttgt cagatctgaa ggaaccttag ggctgtacaa ggg 233

<210> 39896
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942387H1

<400> 39896

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 tgaagcaaga tcttcttggt catgctgtga agttttttct gtcgattgga gtccagatgg 180
 agagaaggta gcctctgggtg gtaaggataa agtggtgaag ttgtggatgg gctaggctaa 240
 tttttgga 248

<210> 39897
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942388H1

<400> 39897

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 atgctatcaa atttaagatg gatgacactg tgagttgtat gattttgacg atgagaatga 180
 agagaacaaa tttgatttca aaaaaattgt gagtgaaaat tgggtcgagc caccaagaag 240

agaacggaag cgc

253

<210> 39898

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700942261H1

<400> 39898

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<210> 39899

<211> 59

<212> DNA

<213> Glycine max

<223> Clone ID: 700942263H1

<400> 39899

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<210> 39900

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700942264H1

<400> 39900

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<210> 39901

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700942265H1

<400> 39901

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<400> 39902

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<400> 39903

cagaagccac agttcgagcc actgtgg 87

<400> 39904

tttataactgg ataatctagt attccttatgc 90

<400> 39905

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aatgctgctg ttgctactgc tgtc 84

<210> 39906

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700942278H1

<400> 39906

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atcagattgt gtgattcaca cccacaa 87

<210> 39907

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700942279H1

<400> 39907

ggcagtacga aatccaaatg cagaacaagc aacaagtagt gttagtcttg tgtatgtaga 60

tgctgtagag ccgtctgata aagatg 86

<210> 39908

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700942280H1

<400> 39908

aaacgtcca aattctgtat ctctgtaggca ctcaactcact ctcttcccaa acacagcgtg 60

ttgttttccc gggtcccgcc catagttc 88

<210> 39909

<211> 96

<212> DNA

<213> Glycine max

<223> Clone ID: 700942281H1

<400> 39909
catattgtca acattttaa at gaaggataag tacatgctta ccaaactaga ttctgtgttg 60
tatgcttggt agttgccgtt tccttgtaat cttaaa 96

<210> 39910
<211> 109
<212> DNA
<213> Glycine max

<223> Clone ID: 700942282H1

<400> 39910
ctcagcattc ggctcaagag catggtgaag gtgctcatca tgaaggagag gccaaaggaga 60
agaaaggat attagaaaag ataaaagaga agcttcctgg ttatcactc 109

<210> 39911
<211> 89
<212> DNA
<213> Glycine max

<223> Clone ID: 700942284H1

<400> 39911
cagtaattgg ttttgccatt tcaaagctgg gaaagaacat tcaagtactt tcaagttcct 60
ttgtcaataa gcaagagcaa tacactgtg 89

<210> 39912
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: 700942289H1

<400> 39912
ccaatatatt ccattctctc tgtgtatgtc cctacctctc cttcaagat gcagatcttc 60
gtcaagaccc tcaccggcaa gacca 85

<210> 39913
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: 700942291H1

<400> 39913

gcagtttcat tccttgcaac tgtaccttg ggagaattat tctttttcca tatgatcctg 60

atacgaaagg gtatcacaac ttacg 85

<210> 39914

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700942292H1

<400> 39914

gcagacttaa caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct 60

ctttcttagt gcctccttgc cagaag 86

<210> 39915

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700942293H1

<400> 39915

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gaaagattat caatttgaga cgattg 86

<210> 39916

<211> 85

<212> DNA

<213> Glycine max

<223> Clone ID: 700942294H1

<400> 39916

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ttgcaatcga ccccgcttat ggcca 85

<210> 39917

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700942295H1

<400> 39917

gaatcaacaa tcattgtcggg cgaagagcac catttcgagt ccaaggccga cgccggatcc 60

tcctaaacct accctcagca agccggt 87

<210> 39918

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700942301H1

<400> 39918

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agaaaaaatg gtgaagattt gctgcattgg tgctggatat gtgggggggc caacaatggc 120

agtcattgct ctgaagtgcc cctccattga agtgctgttg ttgacatctc caaatcccgg 180

attgcagcat ggaacttctt ccagcttctt atcaatgacc caggccttga tgggtggcgtg 240

aagcaatgtc gtggca 256

<210> 39919

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942303H1

<400> 39919

ctcgccttcg tcgtcgcgcg cgccggcgct ctcctctcca cgctacgtga gcgggganng 60

nnngggatgn ggntctggct ctgcggctac gccttcgagt gcgtgcttca catggcgctt 120

gtgtgcntcg aattccgaac cagaattggc gattcttctc tcacactacc tatagcgtn 180

tgangaggct agagcctatg agcactctgg caacatcggt ttgggtgggtg tttggatttt 240

attggatt 248

<210> 39920

<211> 255

<212> DNA
 <213> Glycine max

<223> Clone ID: 700942304H1

<400> 39920

gtcgtccttg gaagctgcc aattcacatc ccaagtcatt atcatgaacc atcctggcca 60
 gattggtaat ggatacgac cagtccttga ctgccacact tctcacattg ctgtgaagtt 120
 ttctgaaatc ttgaccaaga ttgacaggcg atcggtaagg agcttgagaa ggagcccaaa 180
 tttttgaaga atgggtgatgt tggatatggtt aagatgggtc caaccaagcc catgggtggtt 240
 agaactttct ctgag 255

<210> 39921
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942258H1

<400> 39921

tgtgaatgct ggatgcaggg ataaagatct ggctcatatt gaggagcata tgaaggcatt 60
 caaggccaaa ggtgggtgatg tgtcatggc 89

<210> 39922
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942305H1

<400> 39922

tactcgagcc gaatcggctc gagaatttgt gaagtcagtc caaactacag tttcaaagat 60
 gccacgtgga acgcttgaag ttgatctgat cagcgccaaa ggaatcgatg acaatgattt 120
 tctctccagc attgatcctt atgtgattct cacatcaggg cacaggagaa aaagagcact 180
 gtgcaagaag atgctggatc caagccacaa tggaatgaga gctttctttt cactgtctct 240
 gacagtgcac c 251

<210> 39923
 <211> 253

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700942306H1

 <400> 39923

 gcaccatggc gacactggat tccgacgtga ccatgggtcc ggccggcgaa ccctccacca 60
 gcgccgggtcc ttcttcgtcc accaagaagc cgaagcgatt cgagatcaag aagtggaaatg 120
 ccgttttctct ctgggcttgg gatattgttg tgataattgc gctatctgcc gcaaccatat 180
 catggatctc tgtattgagt gccaggccaa ccaggctagc gccactagcg aggaatgcac 240
 tgtagcttgg gga 253

 <210> 39924
 <211> 196
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942307H1

 <400> 39924

 caaaagtga gatagaaggc caagctaaag ttttgtctat tcaggtgaag gaaggaaaat 60
 attcggacaa ggaggaatgt gaggcattca acaaaggcag aactccttcc aaagtgcattg 120
 ttagaaactt ttaatatatta agaggccatg cttaaagaag agacatcaaa gaaggttcatt 180
 tgagttgggc ttttat 196

 <210> 39925
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942308H1

 <400> 39925

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 ctctaagtga agtattcttc aaaaaagaag gatctaagtc atgctcttgc ccatactctt 120
 gcccttgctc acgaaatacc aaccaattc attgaaagat tctataaaaa tcaaggtaat 180
 ggtgaacaaa tcaaataata agattgtgtt ggccgaagca gatggagatt ttgttgattt 240
 tcttttcagc ttcctc 256

<210> 39926
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942309H1

<400> 39926

agcaaagtca agcgagatca atgtattggt tcttggtgct gatcctgatg gtgattgggt 60
 ggagcattct ttgccacaac aatacattca tttgttcaag aatgagcact ttgaaacaac 120
 tcttgctgct cattctggag gttaaattga ttgcaatttg gacttttgga gtctctatctt 180
 atattttaat cgttttgga tactgtggga gtggcttcaa tttgttggtt cgtcaattca 240
 tttaaaaca cagtcac 257

<210> 39927
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942310H1

<400> 39927

ggcattcggc tcgaggcggt gacggtatgc tgetcatcgt ggatgcggcg aaaatttcga 60
 taagcctgtc acaaattctcg agccgttacg ccatgtgtag gtcatatacg tatgaggtga 120
 tcgagatcgg tcagttccta tagaatcagc gaggctgatg gtctcaatcg atggcaaagg 180
 ttggcgtgcc cgatgcgcat cagcgtattc ttccg 215

<210> 39928
 <211> 156
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942315H1

<400> 39928

tcgctacttg ttaagggctg cagtatacca gaatgtctca ggattgaggc agtgcattct 60
 tgcctattgt ggtcactgtg gtttcactac tgtgcctttt ggaacgtgct aacgcagcat 120
 cttactccgt tgcaggacct gggggatggc ccttca 156

<210> 39929
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942316H1

<400> 39929

cttggatact gattgacaca gtgccaaatg ttaaaggact ttgcgctttt tcccctagtt 60

tggatgcatg ttacttggct cttcctgccg gtctacaaag gacgcatgca ttatgcatg 119

<210> 39930
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942318H1

<400> 39930

caagtatgtg agctctgagg ttgaggtcca ggatcgtggt gtttttgact ttctcggtaa 60

gaaaaaggat gaagaagaca agcctcatcc tcaggaggag gtcacgcca ccgagtttca 120

aaaagtcact gtctcagacc aaggagagaa caagccagcc tcttagaaaa gcttcaccga 180

tctgacagca gctcctagct ctccaagtga ggaggagga g 221

<210> 39931
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942319H1

<400> 39931

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ccatggatgg taataattca gatacccttc agcataaagc agcagttaag gtatcaatgc 120

ttgaaaagag tccaccaaag gagagagtgc atacaattca gatttgctag aaacacctaa 180

agttaaggac cgtccgtaaa a 201

<210> 39932
 <211> 262

[illegible]

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gatgattcat	acactgttaa	ggtatgtgat	tttggccttt	cacgtacaat	ggcaaacaca	120
tttctttcat	ctaaaaccgc	taccggaact	cctgaatgga	ggcacctgaa	gtcattcgag	180
gagaactgtc	aagcgacaaa	tgtgatgtat	tcagctttgg	tgtaatcttg	tggggaactag	240
tgacctgca	acagccatgg	ag				262

ctcctacct	aggtaaaaat	ggcaagggtg	ggaataatgg	taaaaaact	aatgacaagg	60
gtcatggtag	caataatggc	aatgtgggcc	accacatggg	ccccatgggt	cagatggggc	120
caatggttca	gagaggtcca	atgaatcaga	tggcccaatg	gaccatatga	ggaatatgaa	180
catcaatatg	ccggcgggtg	aaggattacc	ggcagccacg	gccgcagcag	cgatgaacgg	240
tggttactac	caa					253

gcagacttaa caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct 60
ctttcttagt gcctccttgc cagaagttaa aatggcccaa gaaactttcc tattcacatc 120
tgaatcagtg aacgaggggc accctgacaa gcttgtgacc agatctccga tgctgtgctc 180
gatgcattgt tggagcagga ccctgacagc aagggttgct gtgaaacctg caccaagacc 240

aacatggtga tggtttt

257

<210> 39935
 <211> 171
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942325H1

<400> 39935

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 gatccgaacg atgaagagag tattcggcgt caagaagaac aaggatcctc ctccttccat 120
 tcaggatgct tccgatagga ttactaaacg aggtgctcgg tggatgacaa g 171

<210> 39936
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942326H1

<400> 39936

caggacttgt tgtgggggag actgcagtta ttgggaataa tgtgtcaatt ttgcataatg 60
 tgacattggg agggactggt aaggcaagtg gggagagaca ccctaagatt ggtgatgggg 120
 tgttgatagg tgcagggact tgtatttttg ggacattaag attggtgatg gagctaagat 180
 tgggtgcttgt tctgttgtgt tgaaggaagt gccaccaagg actactgctg ttg 233

<210> 39937
 <211> 179
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942328H1

<400> 39937

ggaattccgc tcgaggttgt tgactaggtc tttcaatggt gacgtattga atcgccataa 60
 acagaccccg ttgatgttgg ctgtgatgca tggaaagact ggttgtgttg agaagcttat 120
 tcatgccgga gcaagtatat tgatgtttga ttctatacgt cggagaactg cttacacta 179

<210> 39938
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942181H1

<400> 39938

gtttggacga ggctgcggat tcagcaccca cgaccgcaca gtgtctcgtc gccacgtgtc 60
 cttegaactc gaccattcac actcagagga tgctaagtct aggggtttctt tccaagtcac 120
 ggggaagaac cccttttggg tgtacgacgg agaagcgctt cggctcttca gaaagttcga 180
 caagggtcac ctgcaactcg gacaccgttt ctgcttctct cccaacacac ccctctggtt 240
 cactcttact aatat 255

<210> 39939
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942182H1

<400> 39939

gaaagaatcc aatgtataca tctcgtgaat ccattgtttt agggaaaaca aactgttcca 60
 ttttcaaggt aaatcaaata ctaagagaac tcagtagaga gtggccaggg agttcatatg 120
 atctgctgtc caaaaactgc aatcactttt gtgatgaatt ctgtgaaagg cttggtgtac 180
 caaaacttcc aggctgggtg aataggtttg ccaatgctgg tgatactgcc atggaagtgg 240
 ctggaaatac agcatta 257

<210> 39940
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942183H1

<400> 39940

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 aacattatgt atggtttata tatcaccact caagtctcct cactcctgat tttctttgta 120
 tggaggcatt gctgtttctt ttaattgttc ctatgggatg gtgtctaatt attaactgta 180

ctcaacgacc tgtttgattc taaccaataa agattgatga actgttctaa aaaaaacaaa 240
 taaaataaaa a 251

<210> 39941
 <211> 124
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942184H1
 <400> 39941

gtcttgtctg ctccatctcc taaaccttgg ccgcactagc ctcctaattg tagtgattgt 60
 gatccacttt tcaagaaggc atatgaaatg cgtgatgctg atgctgtttt ccacacaaca 120
 tacg 124

<210> 39942
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942185H1
 <400> 39942

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 aagtctccaa caagcaaagt acaggggtga tttggaaatc cagggtcccca ccccattega 120
 cagaaatacc gaggcgagag aatcggatgc ccccgagca aaggagtatg tgcatattcg 180
 aattcagcag aggaatggga agaagagtct gaccacagtg caagggctga agaaggagt 240
 cagctacgag 250

<210> 39943
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942188H1
 <400> 39943

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 cgtcaagaca agcctcaact agaggataat gctgttgaga ctattgcaaa atgctgtcat 120

gaactgcaga tcttggacct cagcaaaagt ttcaagctaa ctgatcggtc actctatgag 180
 ctgcgcccttg gttgtcgca tcttacaaaa ctcaacatca gcgggtgttc agcatttagt 240
 gacaatgct 249

<210> 39944
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942189H1
 <400> 39944

aaaagaagca ctttactcaa ttcaatttct ttcgttctc tcactcacia actcaaacac 60
 aacatgatgt gggaatggga cgattaccaa gacaccatcc ccaaacacga cctaccccaa 120
 cccgattccc acctcaaatt cgattttctc tccgccctct ccaggcccaa ggattattac 180
 aagatactgg aagtggatta cgacgccacg gatgacgcta ttcgctcaa ttacattcgc 240
 ctgcgctga a 251

<210> 39945
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942190H1
 <400> 39945

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 ttctccaaga acattaaatg aagcatctcc ttttgtgcca atgatgcttt cacctactca 120
 aggagtttct acccaaagtt ctgattggaa tggatatcag gcattctgtct acttacctga 180
 gaggagcatt catccacctt ctacatttgt catgaacaac ccagcaattg atacaaatgt 240
 ttacat 246

<210> 39946
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942191H1

<400> 39946

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 tggaacttgg gctgcacatc ctggtctcat tccatcctgc atggaggttt tcaacaacaa 120
 catgggcatt gctcccaacc agatagacac agtgaaacgc gatgatgctg caaacttaac 180
 tgaacaagac ctcttcgaga taccaacagg aaccgggacc atggaagggtc tcagattgaa 240
 tacaagggt 249

<210> 39947

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700942192H1

<400> 39947

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 cgtgatcttc ttcgacaacg ccgttgcaca gatcaacaag caccttaaca gcaacagcgt 120
 ggaggaccct ttggtgcgag ccaaattgat gaaggtgaag aaagcgctgt gcgaggaaac 180
 ggaagtgggtg aagcagctag atgctgagag aagggcgttt aaggaaacaa cacgatcgcc 240
 atctcaatc 249

<210> 39948

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700942193H1

<400> 39948

aaggaatcgt tttgcttgac attatgcttg tggctttcat gatatcaaaa ttgctctcct 60
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 tgcttgctcg tctccgcatt gaggataaac atcgttcatc tcaaaaacac ttgcaaaaat 180
 ctgattctca ctctaaggcc tatcttggtg agagctctag caaacctttc tctaagtcct 240
 tcaaaag 247

<210> 39949
 <211> 129
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942195H1

<400> 39949

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 atatttcata tatatcctat ggtccgtgag tgcccttggt ctgtaccaac cttttcttcc 120
 acacaacat 129

<210> 39950
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942196H1

<400> 39950

aagaaagaga agcaaggaga aagagaaggg ttagaaggcg aagaagcatg gcttcactca 60
 agaagaagaa accctattac ccgcttccgt taattcctat ctattactac ttcttattca 120
 aagggtgata tgatcttctt cttccaagag tctcatgcat gctactttct tctctcttct 180
 cggggaattg aagcgttggt gtccgattgt ttgctagatc aagcaaatta acctgtatac 240
 tggtttatat atct 254

<210> 39951
 <211> 95
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942203H1

<400> 39951

gagagagaaa agcgtgaatc atgtcggacg aagagcatca cttcgattct caggcggatg 60
 cgggagcgtc caagacgtat cctcagcagg ctggt 95

<210> 39952
 <211> 103
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942204H1

<400> 39952

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cctatgtaag atacgaatga gaatgaagaa acagacttgc tct 103

<210> 39953

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700942205H1

<400> 39953

caaatatcaa gacaaagaga acagttcagt ttgttgactg gtgccctact ggattcaagt 60
gtggtatcaa ctaccagcct ccaacagtgg tac 93

<210> 39954

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700942206H1

<400> 39954

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tatatgcctc ttcttctg 78

<210> 39955

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700942207H1

<400> 39955

cagatgatgg agacgacggc gaagcgaaac gctgtcgttg cgccaatcgc ggcgttggtg 60
ttggtggtgc tactcgcggc gagtgtggtg gtg 93

<210> 39956

<211> 92

002260 "ETTESO"

<212> DNA
<213> Glycine max

<223> Clone ID: 700942208H1

<400> 39956

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tgagggacag aaattttctg gttggtgact tc 92

<210> 39957
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 700942209H1

<400> 39957

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ctgggtcgctg ggtcacataa ccgcaatgag cta 93

<210> 39958
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 700942210H1

<400> 39958

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taaccccagt cactgaggct cctgcaacag aat 93

<210> 39959
<211> 89
<212> DNA
<213> Glycine max

<223> Clone ID: 700942211H1

<400> 39959

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taattgagat gcttaattca tttgtattt 89

<210> 39960
 <211> 88
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942212H1

<400> 39960

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aaccaagatt cactcccgt cactgtgct 88

<210> 39961
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942180H1

<400> 39961

gaaagggtga gctatagcct aaaggagag acacataaat agtttctact ttctattcat 60

agatagatgg ctggcccaat tatgagacct cagattgtgc tatttggtc ctccataatt 120

caaatgagct tcgacaatgg tgggtggggg gctattctag ctaacttgta cgctaggaag 180

gcggacatca tcttaagagg atactctggt tggaattcaa ggcgggcttt ggagggtttg 240

ga 242

<210> 39962
 <211> 87
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942213H1

<400> 39962

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caaaaaccac cactccgcac cacataa 87

<210> 39963
 <211> 110
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942218H1

<210>	39964
<211>	92
<212>	DNA
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<400> 39964

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<400> 39965

<210>	39966
<211>	93
<212>	DNA
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<400> 39966

<210>	39967
<211>	93
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700942224H1

<400> 39967

cactacttaa ctcaggagtg tgcatatddd cgttgatatg atggatcctt ctagtggaca 60

acaccagcaa atgtctagcc agtcattgga gaa 93

<210> 39968

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 700942226H1

<400> 39968

cactcatctc actcgcgcca tcttaggggt tctccttttg tttcgcaaca tggttgccgc 60

taagaaaact aagaagaccc atgagagcat ca 92

<210> 39969

<211> 91

<212> DNA

<213> Glycine max

<223> Clone ID: 700942227H1

<400> 39969

agacagtcga tgcgataac cgaatctccc tccgattcta ctaccgcacg gctgacaaca 60

tcctccgaca ggctgatata tttcgtgcag a 91

<210> 39970

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700942230H1

<400> 39970

gtaaattgca caaaaaatcc gagcgcaaga ctccgagact ctggctggca atggagacag 60

taccgctaga gttgattcgg a 81

<210> 39971

<211> 91

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700942231H1

 <400> 39971

 gatcccatga gtgacatggt atctgattca attgttgctc tggtttttaa tatcaaccgc 60
 gatctcccaa aaatagtgaa tgaatctgat g 91

 <210> 39972
 <211> 79
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942232H1

 <400> 39972

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 cccggttccc gcccatagt 79

 <210> 39973
 <211> 98
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942235H1

 <400> 39973

 gctcgagaag caattaacct agtagtcgtg gcattcttcc aaaagcagcg aagaaaaact 60
 gaggagtgcc gatcagcaat gagatgatta agcgaatc 98

 <210> 39974
 <211> 89
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942241H1

 <400> 39974

 ggcatttggt gcaactcaat taggtggccc ttcactgcc aagttgcatt aaaatggctg 60
 ggctatgact ttctattaat taatacaca 89

<210> 39975
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942243H1

<400> 39975

cgctgcctta tgttggaact tgtctgaata tatgtgttga tcatttacct atctaacaat 60

ttagaacgtg cttcagtcgt tgactgaag 89

<210> 39976
 <211> 97
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942246H1

<400> 39976

tgaattcggc gcgatagaag atcgaggaga aaatagaggg tgatcatcag cagcacaagg 60

atgaggagac aagtgccctt gtggagaaag ttgaggt 97

<210> 39977
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942248H1

<400> 39977

gacaggttcc cttgcgttgg caataatagt cacaggcttc actttacagg atgggacttc 60

tcactacatg aaaggccttg ttctcctgc 89

<210> 39978
 <211> 105
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942249H1

<400> 39978

ggtattctgc tcgaggtatg ttgtttccgt cctcaaggaa catggcatgg aaatatataa 60

tgaagttcat gcagcataca ttgatacgat gaacaagggt cttag 105

<210> 39979
 <211> 92
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942250H1

<400> 39979

aaaatcaatg gtgtaggagc gcagcattaa agagatgccca aggagaagaa aggtatatta 60

gagttgagtg aagagaggct tcctggttat ca 92

<210> 39980
 <211> 90
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942255H1

<400> 39980

gatgcgggag gtgataacat agcagcaatg gagttagggt tatacgaaaa attatcaatg 60

aagaggattt ctagatatct ttcttccatg 90

<210> 39981
 <211> 251
 <212> DNA
 <213> Glycine max.

<223> Clone ID: 700942115H1

<400> 39981

acaacatcac caacactccc atcaccacca ctatcccaac cctccccgcc gtctccggca 60

ctccactccc cgccggcaac cgcgccggcg ccgggggttca acactgtccc tcttgtccca 120

gtaaccccaa gtggggcccc tacaccacc accatcatcc ctaagggcc caccattgac 180

atagtccaaa tcctaagaaa agccaaaagg ttctcagtc tctcgcct tctcaaaacc 240

acacaactca t 251

<210> 39982
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942118H1

<400> 39982

ctcgtcttca atccttttctg tatttctctta ttcaccttc tcttctgaat aatccagttc 60
tctttctgcc cttttctccg tcacgctgtg cgtgtccgga tctttatgga tttgatccag 120
atctacacgc cgatggtgct tttggccggg tctttcatag atctggtgcg tagttgctca 180
gatctactgt accgcggtgc aacagagtat cg 212

<210> 39983

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942121H1

<400> 39983

taagtttctc agattcctga atgacaagga ctaccacggg ggatttgagc agggagagat 60
cgagcaggtg ttttcggcaa tggaggcgaa ctacgaggcc tgggtgaacg gtttcgcgcc 120
gctgtcgggtg ggagcggatg ttcccgcggc ggtgcgggag ttttcccgga cgctgttcaa 180
catgaggccg gacatctcgc tgttcgtgtc gcggacggtg ttccacagcg acctgagggg 240
gattctgggt ctggttaacg tcccct 266

<210> 39984

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942122H1

<400> 39984

cgtgtatact catttttagca tcaaggttga atctcagaga aaaagaaaca tcgacaagca 60
tgtctggaag aggaaaggga ggcaaggggtc tcggaaaggg aggagccaaa cgacaccgta 120
aggttctgag ggataacatt cagggaatca ccaagccgc gattcgccgt ctggccagac 180
gtggtggcgt caagcgtatc agtgggtctta tctatgaaga aactcgcggt gttctcaaga 240
tctttctaga gaacgtcatt cgga 265

gaaaagggttc acatcagtat tgtggtcatt ggccatgtcg actctgggaa atccactacc 120
 actggtcacc tgatttaciaa gcttggaggc attgacaagc gtgttattga gaggtttgag 180
 aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct ggacaaactt 240
 aaggctgagc gtgaaagagg aat 263

<210> 39989
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942134H1

<400> 39989

atttctgag cagccaaaca ctctctctct gtctctcgaa aattctcagt ttgcagagaa 60
 aatctgaatc atgtcgtggc aagcgtatgt cgacgatcac cttctgtgtg acatcgaagg 120
 taaccacctc actcacgctg ctatcatcgg ccaagacggc agcgtttggg ctcagagtac 180
 cgacttcctt cagttcaaac ctgaggagat aactgccatc atgaatgact ttaatgagcc 240
 tggatcactt gtcceaactg gatt 264

<210> 39990
 <211> 216
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942135H1

<400> 39990

ttcggctcga gctcgagcct cattggcctt tgtgtccatc gagctttgct gtttaaagtg 60
 ttggctgact tagtcaatct accatgtggg attgcaaagg gctgcgagta gtttaggaag 120
 gatgtgggtg gctcatgtat agtgcaattt ggttctgaca gtgagtatat gagtgattta 180
 gttggaagac gtggggcaac atgccagcct gattct 216

<210> 39991
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942138H1

<400> 39991

actgcccagt tcttaccaca caacatacaa tataaaaaaa aagacgctta ttgatctgcg 60
 aaaatgaaaa agtgcaaccc gagccacact tgtcaggctg gtatccaggt cggaaatgct 120
 tgctgggagc tctactgcct cgagcacggc atcgggcccg atgggcaa at gccaagtgc 180
 aagacagttg gcgggtggtga tgatgctttc aatactttct tcagcgagac tgggtgctgta 240
 aagcacgtgc cacgtgcag 259

<210> 39992

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700942140H1

<400> 39992

caacactatt cttcttcgca gcaatggcgc gagtggatct ggacgggaac cccatgaagg 60
 cacttacgat ctgcatgac ggcgctggcg gcttcatagg ctgcgcatctc tgcgagaagc 120
 tcatgtccga aaccctcac accgtcctcg ccctcgacgt ctacaacgac aagatcaaac 180
 acctcctcga accctccgat tccccctggg ccggccgcat caccttcac cgcctcaaca 240
 tcatacacga ctctcgct 259

<210> 39993

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700942142H1

<400> 39993

tcgagcactt atctataatc ccaatctctt tctaattctcc gtttgtgttc ttgcagttga 60
 tgactccgat tccatttcgc aaaatcccga acccgacaac accgtaatcc atacttcccc 120
 catacacgag ggtgaaaacg agatttcaac tgtccccgaa cctaaacctg aaccggaacc 180
 tgaacaattc caattacaac caccccaagc agaagatccg agccgtttca tcaactcctag 240
 tgacttaacg c 251

<210> 39994
 <211> 204
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942145H1

<400> 39994

gctcgagatc gatttcggat tgtggaaggt ctgatcgcca gtgtgcatgg cagccgagct 60
 agtcagcaga ctgttgatgg tctattcaga caaggactgc agtgggtggaa gagctgcttc 120
 cttcgatatg agtcccagga ggactggagc cgggaaggct gtaggtcggc ttcgtcgagc 180
 gctgattggg aaatggactg gcat 204

<210> 39995
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942147H1

<400> 39995

gcagtctcat tccttgcaac tgtaccttg ggagaattat tctttttcca tatgatcctg 60
 ataccaaagg gtatcacaac ttacgagtat gttgttgcca tgagaactct aagtgaacca 120
 cctgggcctt cagtttatgg ggggtgaacag cagagtctac catcgtctcc tactagttca 180
 gctgtcactg caatgagtgg aagaagctcc gttggaatga gtatacagta caaaggtgcc 240
 tgggtgtacac cgccaag 257

<210> 39996
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942149H1

<400> 39996

agacgaaacc ctaggtttta gtgagtggcg aaaatggcgg tgattttttc aagtgaata 60
 ccaggagggg cagcaccagc agcaatcgag caagtgcagt gcttcgggcg gaagaagacg 120
 gcggtggcag tgacctactg caagcgcggc cgaggcctca ttaagatcaa cggctgcccg 180
 atcgagctgg tggagccgga gacctccgc ttcaaggcct tcgagccaat cctcctcctc 240

ggtcgccacc gcttcgccgg cgt

263

<210> 39997
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942150H1

<400> 39997

cccaagtgtg aaaatggcag cattgaatat gtccactgtg agacttccaa gagcttcctt 60
gtctggaacg acaccagcta ggagatcttg tgctctcatc aagaatccat catctttgag 120
gtctgtgaag aacgtgtcta aagtatttgg attgaaatca tcttccttta gagtgtcagc 180
gatggcggtg tataaagtga agctgattgg accagacggt gaagagaatg aatttgaagc 240
ccctgatgac acttacattc tgg 263

<210> 39998
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700942151H1

<400> 39998

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ccacctcaag cgccaaatca gtccatgatt tcaccgttaa agatgccaag ggaaatgata 120
ttaatcttgg tgactacaaa ggaaagggtc ttatcattgt caatgttgcc tcacaatgtg 180
gcttgactaa ttcaaattac actgagctca gtcagttgta tgagaaatac aaacagaaag 240
gtctggaaat tctggcattt cca 263

<210> 39999
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 700942152H1

<400> 39999

ggggttgggc tcgaggtcac tcaactgggag cgttgttgtg agtgaggag agggttcctg 60

ggctgagcgc gaagttgaga cgtcttgagt ctgtgcgtag gatt 104

<210> 40000
 <211> 115
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942155H1

<400> 40000

gtgtgctcgg gattgggctc gagcagtatt tgataatgcc accagagttg agccagaacg 60

acctcatcaa tgggggtgttg atgctgctga agtagattgt tttccacacg acata 115

<210> 40001
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700942158H1

<400> 40001

tgctctagtg tctctcactt taactatctt cacaacacat agaaaatgaa ataattntg 60

ntntcattgt aacatgtctt cctcagaggg tgtctttgaa caggggaattg agttctcaga 120

agccaacaat gttctttctca tgtctctaata ggaagaagaa caagaagaag agtactatgg 180

cgatgataga cttgtgagca tgattcaatc attggaggca gagatcactg aactgaaat 240

gggtcaaagt tat 253

<210> 40002
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942163H1

<400> 40002

ggtattcggc tcgagcaaaa gctgatggag catttgcaat ttcagaagat acatggaatg 60

aacctctagg gcgtggaact gagattagat tacacctaca aggaagaggc tggggagtag 120

ttgcaggagt ctaaactgaa agaattgggtg aagagagact ctgaatttat taacttcct 180

atctatatattt gggcaagcaa agaggttgat gtggaggttc ccgctgatga agatgattcc 240
 agtgatgaag aggattcatc tgaaagcag 269

<210> 40003
 <211> 216
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942164H1
 <400> 40003

caggagcaga aagtaccagt gtcgacgcat atgggaattc ttttcatttc acaacaaagt 60
 tcttgcaatt agcatggcac ccaactgaga attcaattgc ttgtgctgct gcaaataagct 120
 tatacatgta ctatgcttaa ggcagataga tgattgcaca gcatgtattt gctttcgctt 180
 acctgttttt aggttgctgt ggagaaggct tcttta 216

<210> 40004
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942165H1
 <400> 40004

gggatttctc tgcggtgtat gcctcacctc tctgttcatt gctgctctca cttcctttgg 60
 ctcttttcag tttagtccca ttttgttttc aaccatgtcg atggctagta attcatcagg 120
 gaattctact tttcctaatt atatcaacaa ggttacacgt tcggactgcc agtttaagct 180
 taaggaaact gagagattag aggattctaa gagcagcaga gagcaaaaata acgatgagag 240
 agtctcattg ctttattcag c 261

<210> 40005
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700942114H1
 <400> 40005

gttggcatat aatcgaggaa tgtctttttg tcatttattc tttgaagaaa gagttgtaga 60

aggacctcta ctcatTTgtt gtttacattg cttacatttg tttattgatg ataaaatttg 120
 tatctgggat gcgccaacaa catcatacac acgaattaat agattgatct tctccaccta 180
 aaaagaaaaa aactgatggg caatgctaaa ggccaatctt gtggagag 228

<210> 40006
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942166H1

<400> 40006

cagtcaactga acccaatgag atgactgaat tcgctaaacc tactgggtgtt gccattcctc 60
 caccagaatc tgctgagtat gcgtctgtgt cggcccccaa gttgaattca ttggaagaga 120
 cttcagtga ggataatggg aactctttta atgacgctaa gcatgttggt ggggtaattgt 180
 caaactcgtc gttgttatct gatgatgctg gagaaatcgt gcaaattcca ttggatgat 239

<210> 40007
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942172H1

<400> 40007

gaagattcgt ttgagagctg aggatgttca agggaaaaat gttctgacaa acttttgggg 60
 aatggatttc acaactgata agttgaggtc cttgggtcgg aaatggcaaa ctttaattgt 120
 ggctcatgtg gatgtcaaga ccaactgataa ttatacgttg aggatgttct gcattggctt 180
 taccaagagg cgtagtaatc aggtgaagag gacctgttat gcacaatcaa gccaagtcag 240
 acagattcgc ag 252

<210> 40008
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942179H1

<400> 40008

ggttattgga agaattctgaa aggtactagc tagctagcta gtagctctac actgtgaggt 60
 agcctcatga ggaagcgcca agtagttgtg agaagagagg agcctcaaag gagcgctagg 120
 acggtgacgt acggcgagtg ccagaagaat cacgccgcga atgtgggagg gtatgctggt 180
 gatggctgca gggagttcat ggcgagtggc gccaccggag aaggaacaag tgctgctctc 240
 acttgtgccg 250

<210> 40009
 <211> 137
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942048H1

<400> 40009

agactaaaca gtaaacagcc gtctacacgt agtacgatgg aagtgctaga ggctacaata 60
 aaggtagctc aaagacactt aaggcatctc gaacttgatg tgtgcgtcgg tgggtacatt 120
 tggattgtca tctatct 137

<210> 40010
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942049H1

<400> 40010

gcaccacatg caaaaaaggc tcatccctgg ccggatcact tttatccgct gcacgttgct 60
 attggtgctg ctggtgaaga tgcaaaggcc aaacttatcc acagcagtat tgaattgggc 120
 agtctctctt atgcctctta cagttttacat cagccgctag ctgaatttct taatacagaa 180
 tagcttctgt tcagttgcat accctggctc aaaacacagt tatccaatat gtatgaaga 239

<210> 40011
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942065H1

<400> 40011

aagggttgctc cttcattcac gcccttgctc tcttcaaac tattttcttc ctctgctcta 60
 tctatctctt gttattgttc cctctcaagc caatcaccat gccttctcct tcagatcacc 120
 accgtcccca accaaaacct aatccaacct cctttgctct gttcctcaaa ccaatcatca 180
 tgctccttct cgactcc 197

<210> 40012
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942066H1

<400> 40012

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 cacctttgcg gttccgcccc cgcctccgc ggcggcgct gacttggtcg aggtgagga 120
 agatgggttt ggggtgtatg caagagaggc aggaggagt acatggagga tcgttacacc 180
 gctgggaata atcttcgagg agaacacaaa ctggcttttt ttggcatatt tgatgggcac 240
 ggtggtgcaa aagct 255

<210> 40013
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942067H1

<400> 40013

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 ctgtctccag ccgaagtgga ttactctaaa gttgatgtga tctaagatt tctgttgctg 120
 gcagcatcgg tggtggcgct gcagtgattg tctccagtga tcaaacagag caagtgtct 180
 tccaagatgt gcttctaccg cagccagcca agttcaaata ctcaccagct ttggtatatt 240
 ttgtggctgc attcag 256

<210> 40014
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942072H1

<400> 40014

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 cgcatcctga aggagctcaa ggatttgcag aaggatcctc ctacgtcatg cagcgcaggt 120
 cctgtggctg aagacatggt cactggcaag ccacaatcat gggacctgct gatagcccat 180
 atgcaggtgg tgttttctta gtttcaattc attttcctcc tgactatccc ttcaagccac 240
 caaaggttgc tt 252

<210> 40015

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700942076H1

<400> 40015

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 gcctggccaa gcatgctggt gccttctggg gaggccctga ttatggagta ctcagctggg 120
 ataacaagct tgctgggctc aggttcttct gagtcgtttg aggttattct tgagtcctcg 180
 gtatccatat gaagaaattt taaagacctt tcacaaccag acaagcataa tcatgtgctc 240
 ctatctacca g 251

<210> 40016

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700942077H1

<400> 40016

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 atgtgatttt taagatagtt ggatcagatt attgtggttt cattacacgt ctcatttgat 120
 tgatattagg ttatgcatgc tatgcgagat gtatatggca gcaactgcagc tagatggatt 180
 tgccgaaata tactagggac atttgaatct tgcaagcctt ttctggctta tctctaactg 240
 atgtcaattg gg 252

<210> 40017
 <211> 189
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942081H1

<400> 40017

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 gagagctttc aacgttacaa ggggtaaaat tcccatttgg cccttttttt atacaaaaac 120
 ttgaaactct ctctaggctt catattcaga tatctccata aataggcagg gcttccagtg 180
 acgggtttt 189

<210> 40018
 <211> 72
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942082H1

<400> 40018

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 cacaacatac ga 72

<210> 40019
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942088H1

<400> 40019

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 gtggcggatt cttcgtcttc aagcgctaataaaaagtgcc agaattgtgt tacctgtgtt 120
 tatcaatgca ggattgggggt atttcctgcc tgattactgt cacgtggagt aagaatttga 180
 tggggcaagg ccttggcggt gggatcgacg attcatcaag ccagagtctt tgtaagggtg 240
 atatcaaacc gtgggg 256

<210> 40020

<211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942089H1

 <400> 40020

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 tctagaaaat gggaacaaca attcttcgtt cccacgattg cctccaaggc cggttcctcc 120
 acaacgaagc ctttgcatcg ccgcacacg tgctgcacg cgaagaaact ctaatcctaa 180
 caataatagc ttgcctcct ccgccaaacc aaaccgctgc cggaagcgga gtcctgtcat 240
 taatcgagac 250

<210> 40021
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942092H1

 <400> 40021

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 ttatatattg aagtgtccgc cgatttcacg tagccgtagc cttcaaaact gggttcttga 120
 tcggttgtaa catttcgttg ctggttggtt ttgatgagta ctgttttttg ttttgatggg 180
 aaaagtctga gatattcaaa ttcacaagca gccatagggt tttagtccat atcctttgct 240
 gctgaggagg g 251

<210> 40022
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942095H1

 <400> 40022

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 catccacaca ctcttacatt tccggaggtt acaacgaaat ggctgatatt ctcgtaaacc 120
 taacgtctct ggccacgaaa tgggaaggct agtttcagaa ggttacgttc tcaccgtttt 180

ggctccaaac gacgaagcca tggcgaagtt aacgacggat cagttgagcg aacctggcgc 240
accggaacag ata 253

<210> 40023
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700942096H1

<400> 40023

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tgtcatatat gcacttactt cggggattgc tggatacacc gcaacttcat tctattgtca 120
gttggaagga acaactgggt taggaatctg ctgttgactg gatgcctttt ctgtggacct 180
ctgtttctga ctttctgctt tctaaacact gttgcaattg cttacaaagc tactgctgcc 240
ctccc 245

<210> 40024
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700942101H1

<400> 40024

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aaccaagatt cactcccgtc cacgtgctcg taggatgaag gaggcaaaga ggaagggccg 120
ccactccggt tatggtaaac gtaagggtac aaggagggca aggcttccca ccaagatact 180
ctggatgaga aggatgcgtg tgctcagacg gttgcttcgt aagtacaggg aatcaaagaa 240
aattgacaag cacatgtacc atgatatgta catg 274

<210> 40025
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700942103H1

<400> 40025

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 agggaagaag agaccacgat gctgggtgtg accactctta ctctgggttc gtccaccaca 120
 ttggtggctc agaaccatgc tcaacaacat gccaccctc ttgcctcagc caatggaaac 180
 agaagggaca gtgtttccaa caggactcac cccttgcta tgagtttggg atcttcacc 240
 gaccaaagtt tcagctttct ctcttcttc 270

<210> 40026
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942104H1

<400> 40026

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 ggcagtggat ctcaattgga ctcaattgga tccatgtact cgttcttggg acaagcaaca 180
 cgatgctatc tgtgatccat caaggtct 208

<210> 40027
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942105H1

<400> 40027

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 aactgcaagg tctcgtcaa cattgagcaa cagagtcctg atattgctca aggtgtgcac 120
 ggccacctca caaagaggcc ttaggagatt ggtgctggtg accaaggcca tatgttcggc 180
 tatgccactg acgagactcc cgagctcatg cccttgagcc atgtccttgc cacgaagctc 240
 ggtgccaagc tcaccgaggt tcggaagaa 269

<210> 40028
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942106H1

<400> 40028

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atctgcgaaa atgagagagt gcatctcgat ccacattggt caggctggta tccaggtcgg 120
aaatgcttgc tgggagctct actgcctcga gcacggcatc gggcccgatg ggcaaatgcc 180
aagtgacaag acagttggcg gtggtgatga tgctttcaat actttcttca gcgagactgg 240
tgctggaaag cacgtgccac gtgcagt 267

<210> 40029

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942108H1

<400> 40029

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cagctcaagg cttcaagaaa gagagaacca caaccacatc catagccata accacccttc 120
tcctatgaac tctccaacaa gcaatgtgag caactgcatg agcagcagca acagcaatgg 180
catccaaatc ccaacaccac cactcactcc caaaaccatt cccagatctg attccaaccc 240
ttaccctacc acttttgtcc aagctg 266

<210> 40030

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942109H1

<400> 40030

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gcttgctttc tctgagaacg tgcttgggac aacagctaaa gatgtcatgg acatggtgct 120
ggtgactcaa tactttgaca ccatgaaaga gattggagca tcttcaaagt cctcatctgt 180
tttcatacca catggtcctg gcgcagttaa ggacattgcc atgcagattc gggatggtct 240
gcttcaggcc accacttcac aga 263

<210> 40031
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942110H1

<400> 40031

tcaagattca ggcatacttt tgcaaacggt tttggaactt ggaccaactg tgccattggt 60
 tgggtgtgtgc atggggtttgc aatgcattgg agaggctttt ggagggaaga ttgttcgttc 120
 tcctcatggt gttatgcatg gaaaaagctc tatgggtttac tatgatgaga aaggagaaga 180
 tggattactt gctggactat caaatccttt cttggctggt agatatacaca gccttgtaat 240
 tgaaaaagag agctttcctc 260

<210> 40032
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942111H1

<400> 40032

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 tggcagagga aaggtttggc ttgaccccaa tgaagtcaac gaaatctcca tggccaattc 120
 tcgccaaaac ataaggaagc tgggttaagga tgggtttatc atcaggaagc ccaccaagat 180
 tcaactctcg tcacgtgctc gtcgaatgaa ggaagccaag aggaaaggac gtcactctgg 240
 atacggtaag cgtaagggtc caa 263

<210> 40033
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942112H1

<400> 40033

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 ggttcaatct tcagggttgg gtaaccagga atcggaatc gaacctgcca aggagtgcct 120

taagatgaca aggaggatgg gtccttcacc aaccaagaat gctgctaact tatcaattac 180
 attatcaaag tttgtgcctt ataggaccga aatagaatgg tacaaagctt ggtgtcacca 240
 gcaagttgat caaatgggat a 261

<210> 40034
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942113H1

<400> 40034

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 ggtgttggag gctatggtga agtctacaag ggcattcttc aagatggcac tgttgtggct 120
 gtcaagtgtg ccaagcttgg caaccccaaa ggcactgacc aagtcctcaa tgaggttcgc 180
 atattatgcc aagttaacca ccgcaacctt gttggttgac ttggttgctg cgtggaattg 240
 g 241

<210> 40035
 <211> 164
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942044H1

<400> 40035

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 ctctctttta gtaactatgt agatttcacg taacatggaa tacacactct gcgtgttgac 120
 aaatacgaag ttttgcttat tttggactcc aattgaatgt tgga 164

<210> 40036
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941990H1

<400> 40036

gtgataattg actttccagg tcgtattgtg ataggtcttt ttggaaaggc tgttccaaaa 60

actgcagaaa actttcgagc tctttgcact ggtgagcttg tttcttctgc ttctatgcat 120
 tgttattttc atataattag agaacttctt tcaatccttg tattggggtt catcttcagc 180
 tgtgttacag aaataagtga ataaatagat tcaactcaatg taagaactga tgagtaacat 240
 ttg 243

<210> 40037
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941991H1

<400> 40037

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 tggccactgc aaggactgtg aaggatgttt cacctcatga gttcgttaag gcgtaactct 120
 ctcacctcaa gcgatccggc aagatggagc tgccagagtg gactgatatt gtgaaaactg 180
 caagatttaa ggagttggct ccttatgatc ctgactggta ctatgtcaga gctgcttcca 240
 tgg 243

<210> 40038
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941993H1

<400> 40038

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 ctttcttcca tacacataac catgacttct cagactgttg tctctaaagt tggatgtca 120
 tgtcaagggt gtgctggagc agtgaacagg gttttgggaa aaatggaagg tgttgagtca 180
 tttgacattg atctgaagga gcagaagggt acagtgaaag gaaatgtgga gcagatgaag 240
 ttc 243

<210> 40039
 <211> 165
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941995H1

<400> 40039

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catattcact caaaaaatta aaacaccatg caacaagcaa ttccttatag gtcattggcaa 120
cctctcatca cacacacctc caccaccacc acaactcacc ttcac 165

<210> 40040

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700942001H1

<400> 40040

atttgaatag tgccttccaa atatacagga atccaacttt ggatgagttg cttgccatct 60
gcagacagat gcatctagcg tgggcagagt tttggttcaa taccaatttt aatgcaccac 120
catgatgtct cctttccgag ctttgtatgg gcaggaccct ctattattta aaggaaccac 180
agttctttcc aagattgagg aaattgatca gctgactcaa ctaagagata gccttctgca 240
ggagctgcat gagaatttac taagagtga gg 272

<210> 40041

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700942002H1

<400> 40041

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atttctgtat catgtgtttg tgctatatct cctgctttat cattatggag tccataatgc 120
tcttgaaaaa tatggtaatc cctttttttt tgtgggtcggg gacttggggg gtttgaaaat 180
cggtcatttg gttttccgtt cctgtaaggt tggggatcct aaaatt 226

<210> 40042

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700942004H1

<400> 40042

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 ccttttctca aagcaaaaaa aatgttcacg gagagtttca aggttgagag tcctaacgtg 120
 aagtacacag agactgagat tcagtcctgt acaactatga aaccactgaa cttgttcacg 180
 agaacaataa tggcacttat cagtgggttg tcaagcccaa aactgtcaaa tatgaattta 240
 aaaccaacac ccatgtccct aaact 265

<210> 40043

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700942005H1

<400> 40043

caccaaagcc accccaccaa attcctcctc atcaaaccaa gacatagcaa acgatccaaa 60
 ctcttttttc atttgagca tcaaaatgag tggtagcaac gatggtagcg gcagctggag 120
 ctctaggttt ttgaaggtgg ctagtgcact gccgtacag ccgcggttgc cggcggttta 180
 tatgccattc tttcatcctc aacctctgct agctctgaga tggaattgcc gtttggcagc 240
 gcacggcgtg agagcaaaga acgtga 266

<210> 40044

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700942006H1

<400> 40044

cttacctctt ggcattggcca ttcaaattgc ttcttttgc ttagtgtctc ttacaattgt 60
 attttgcttc tcttccttgg agaagagttt tgccttcac acaacatac 109

<210> 40045

<211> 224

<212> DNA

<213> Glycine max

<223> Clone ID: 700942007H1

<400> 40045

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gctgaggagt tacatgaatg ggcattctcg ccaaggggag cgcccgtttc cgttcagtgt 120
tgacaagggg tttgctcggg cccacaggtg cagcgaaaca ttatagagga ctatcaaacc 180
ctcagtgcgt gcatggtgtt gaggttggtt ccgcacccag tctg 224

<210> 40046

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700942008H1

<400> 40046

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gtgaagtcac aagtaatctc tcctctcttg taaacatggc agccgaaacg gaaccaaaga 120
agatcataat tgataccgac cctggcatga tgatgctatg gcaatattcc ttgctctaca 180
atcacccgag gttgaagtta ttggactcac aaccatcttt ggaaatgtgt acaccactct 240
ggcaaccaga aatgccttgc atttggtg 268

<210> 40047

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700942009H1

<400> 40047

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gtttttgaag aacggtgatg ctggttttgt taagatgatt ccaaccaaac ccatggttgt 120
tgaaactttc tccgagtatc ctccactggg aggtttgctg ttagggacat gcgtcaaact 180
gttgctgtgg gagtcatcaa gaacgttgag aagaag 216

<210> 40048

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942010H1

<400> 40048

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actccagggtg ggccatgctc ggggccttgg gctgctgtctt ccccgaaactg ttgtcccgca 120
acgggggtcaa gtttggagaa gctgttggtt caaggccggg tcccagatct tcagcgaggg 180
tggtgctggac tacttgggca acccaagcct tgtccacgcc cagagcatcc tcgccatctg 240
ggccacccaa gttatcctaa tgg 263

<210> 40049

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700942011H1

<400> 40049

gttgtcccca gcttctaagg ttttgaacaa ctggtttgag acagatgttc tgaaggcaac 60
ccttgcaact gatgctgtga taggcagtac agtaagacag gccagtgtcc acaccccagg 120
aagtggctat gtgctgctac atcattgatg ggcgaaactg atggggaacg aggaatttgg 180
tcgtatatat gttgaagggtg gaatgggctc aatatccaag gctattggta atgctgctat 240
tgaagctgga gctcatgttg t 261

<210> 40050

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700942013H1

<400> 40050

cgggtggttgt cctgtgtact gccaacacag agaggtagag caacgtagtg tgggactaga 60
cgacaccatg gaaaacctct ttgcttcctt ggacaggaat gaggctgaga tttccccttc 120
cacacaaca 129

<210> 40051

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942015H1

<400> 40051

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 tgcgcgggta gtgcgaagaa acttgtcaag gctgccctac aagaagcagc aagaaaacgt 120
 gaaatgcgat attcagacct ttacagattg acaagaaggt tcgtcgccat tttcacgacg 180
 atataactgt tattgtttta ttcttaaacc acaaccttat atccaggggt gcagttctaa 240
 atacaccact tacaattcgt ag 262

<210> 40052
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942018H1

<400> 40052

gctcgagggt attcctcgat gccttctctt cccaattcca attgcacacc gacgttaggc 60
 tcagggtggtg aaatcgtgtc accaaaacga gagctctgct tcggctcaca cagaccactc 120
 ctcaaattcca aaggaactcc gagtaacagt ttcaggcgta attgtctctc atgtttgtgc 180
 tctactatag ttcggattag tgattgcgcc atgcctatct ttttaccaaa ggcattcgct 240
 gctgatggaa atggaatcat ggaaaaa 267

<210> 40053
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942020H1

<400> 40053

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 tggttgaggg cagggatgag ttgcacagga tgttgaatga ggatgaactt agagatgctg 120
 ttttgcttgt ttttgccaac aagcagatct tcctaatagca atgaatgctg cagacataac 180

tgacaagctt ggacttcatt cactccgtca acgccactgg tatatccata gcacttgtgc 240
aacttctgga gagggactct atga 264

<210> 40054
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700942021H1

<400> 40054

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agttctttac atcctcataa ttgttggttt aaaaaatgct tggttttact gttggaaaga 120
agagatttat ccagccaaat atgttttcac caatttgatc catcaagata aatcaactct 180
gtcataaagc aatcattgga tattccctga ggcactgaat aaagattata gccccattct 240
acctgggcta cctgatgatg tg 262

<210> 40055
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700942024H1

<400> 40055

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tgggaattat tcgattgagt ttgtttctcc cteccccaat ctttctcttt tccccctctt 120
taccccaatt tcttctcctt tgtetaacgt acaagcttct tgtttcggaa ctctgtcaat 180
aagtcttgct atcacacttt ttgtctaaaa tacttcttca aaatggaaat taaatagaag 240
tcagaaatgt taatat 256

<210> 40056
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700942026H1

<400> 40056

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 ccaatcttgt gttactataa gtatttaaca gcatagacac acaccctttg gttctggcca 120
 ccctcaggtg tgaatacaat acctagcatg aaattcaact ttgtgggact acatgttgaa 180
 gtttgattgg tgaacgagat ctgatctctt gatccacaaa accatggctg aaaaggtgac 240
 catcatgaaa ctcaagggtg a 261

<210> 40057
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942029H1

<400> 40057

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 ttacactccc attccaagtt catgcgagat cttctaaagc ctagccctgc aagtgttgaa 180
 atcgatgatc acctcctgca aattgaagaa acacagtacc cgaaaacctt cttctataga 240
 gaagacctgt catccggg 258

<210> 40058
 <211> 152
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700942032H1

<400> 40058

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 tgacatgttc gtgtccattc cagatgctga tgctatttac atgaagtgga ttctgcatga 120
 ctggagcgac gagcactgcg tcaagatctt ga 152

<210> 40059
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941989H1

<400> 40059

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aacttcattg catggaagcc taagaggtgg agaagacgaa gaggacaagg gtaactgaat 120
cgccgcttct gcagcttcgt tctttcggtt ttgtgtcatc tttttagctt cagtgggtaa 180
ataaaaaatg gaggttttgg tgggtcccg cttcaccatc gacgttccct cgtctccgca 240
gc 242

<210> 40060

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942033H1

<400> 40060

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agctccatag tgcgcccgc ggaggagctc gttgccgccg gcagccgtac accgtcgccg 120
aagatgacgg cggcggcgct gcggagtggg tcgaggagaa gaacccctcc gcagtgtcgg 180
tggaggtcgg agagcatgtc cagctcgctt ataccacca gaacgagtcg ccgtttcagc 240
caagatcctt tgctgtgaag gat 263

<210> 40061

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700942034H1

<400> 40061

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aagaatatga agcaaactct cttcttctcc ttcctttac tcaccaccat tttctcaatc 120
accactttag ctcagtcacc agtgcagccc ctaaagcccc agcaaaacct gcccttgcca 180
caccggctcc agcgccggca aaacctttag tcccttcatt accccagtc ccatcttcag 240
gtgttgattc ttctggaagc caa 263

<210> 40062

<211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700942039H1

 <400> 40062

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 ctctacaccc acacaatgcg ccattcttca gagactgcac aatcagcggc acagttgatt 180
 acatcttcgg tgacgccact gcagtgttcc aaaactgctt cctaagagta aaaaaaggct 240
 taccaaacca aaagaacaca a 261

<210> 40063
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941903H1

 <400> 40063

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 ctgaagaatt taccacttc cactttacaa attgaggagg catttcaggt tccagcataa 120
 aatgctgtgg aatgaatacc gccactacac agatattaag gcatattgca cattgaggta 180
 gtagcatttc ttgtatTTTT ttcatgatat tcatttcattg gtatagctga ggcaagttat 240
 agtacaacat gatccatgt 259

<210> 40064
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941904H1

 <400> 40064

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 acatttgcaa ttaaactaag agaaatggta acgcttatgg aacaaagaac cagagaagcc 180

atagttcaag aatatttata tcgccatgtc gcctcaagtg gcataccgaa acagcttcac 240
 tgccttgcct taaggctgg 259

<210> 40065
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941905H1

<400> 40065

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 ctgggtcggat cttgctttgt gggatgggga ttttagtggg tcttatttca atacaaagct 180
 cttcctcttc ctcttccaaa aatcccatct ctttctcttt tttttcatca taacacaaaa 240
 cacaaaacat aaacctt 257

<210> 40066
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941906H1

<400> 40066

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 gacttttgct atttgtagtt tgaaatacaa cccagctcag tggatgaagac tcagaaatgc 180
 actttgtccg cttgctggat gaccagactt ttgagttcat atcaacttat tctcttga 238

<210> 40067
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941907H1

<400> 40067

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gggtggactg taaaacctgt gggaagtata catggggggg atgtggtgat cacttgacca 120
 ccctctacgc cagcattgat gaggggaatgc actgtacgtg ccgctcctgg ccgggtgttg 180
 ttacacgcac acgcacaacc accactcagc aacctactca atccaataat cccaaccaag 240
 ggaataggaa ttctc 255

<210> 40068
 <211> 222
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941908H1

<400> 40068
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 aacatctttg tagcttgggt gaaataatth aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaaataaa aa 222

<210> 40069
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941909H1

<400> 40069
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 ggaaagagtt ccactcacia ggagcattgt tattgagaat ttgatgaaga aatttaatca 120
 agatttagta ttttgccgtg cacctgatga cgatgagctg acaagctatg tacatgctcc 180
 tcagggtggag aaaattgatc cattgcttcg ttgggtggag tcagaatttg gctttaagcc 240
 agttctttac accagcttt 259

<210> 40070
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941917H1

<400> 40070

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 attctccaag gttgctgtgc gtaccgcat cggtatcggt gtgatgggat tcgtggggtt 180
 ttctgttaag ctcatcttca ttccaattaa caacatcatc gtcggatctg gttaggatga 240
 ggggaatcgc aatcgcttca gg 262

<210> 40071

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700941921H1

<400> 40071

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 gggagtgtaa ttctcaagaa tagactacaa agctggggga cttaaccacac ctctagacaa 120
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<210> 40072

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941923H1

<400> 40072

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 ggacattagt cttgactatg cactcttttag gtctccttcg gtggtagtgc aagatggttc 120
 acttggttac cgtaaccttt ttgatgctat ggttgatgct gtttatgctg cgttggagat 180
 atctggagga tggtcactga acatagttgt gtctgagagt ggatggcctt cttctgggtg 240
 aactgcaact tcac 254

<210> 40073

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700941924H1

<400> 40073

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ctgaggctct gagcactgag cacaccacaa actgaaacaa atccctttga gcattcagca 120
agatgagcca cgagctgttg gag 143

<210> 40074

<211> 115

<212> DNA

<213> Glycine max

<223> Clone ID: 700941931H1

<400> 40074

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agatcagact ctgacctttc cgtgtttcttc cgatgtggga ttttcggtta ccaag 115

<210> 40075

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700941933H1

<400> 40075

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acaacaatgc atccctggca agggccttag cagatctgat gcaagaagca aatcaagaac 120
tacctgattg gctctcacgg tttgctgctc gcacttcctt tgggtggggga aggaaccgtc 180
gatcaggagg aggccgtttt ggtggccgtg actttcgaag agagggttct tttagtaggg 240
gtggttctga ttactacagt g 261

<210> 40076

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941941H1

<400> 40076

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 agcgttcact cggagagttc gaacatgtcg ggcgttacca acaacaacga ggaagacaag 120
 aagccaaccg aacagggagc acacatcaac cttaaggtta aggggcagga tgggaatgaa 180
 gtttttttca ggatcaagag aagcactcaa ttgaagaagc ttatgaatgc ttactgtgac 240
 cgacagtcgg tgga 254

<210> 40077
 <211> 151
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941943H1

<400> 40077

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 gagttccctc acgtcgagag gtacttttgg acattgggtca accagcctaa cttccgaaag 120
 atattaggtc aggttaagca aactgagtct g 151

<210> 40078
 <211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941948H1

<400> 40078

gacttgcaat gggcattgct ggaactgagg tagcaaaaga aagcgctgat gtaataattc 60
 tagatgataa cttttcgact attgtgactg tagctaaatg gggccgctcg gtctacgtaa 120
 acattcagaa atttgtgcag tttcagcta 149

<210> 40079
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941949H1

<400> 40079

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gtgtgtttgg attaccatat gaatcaccaa aaacgtttat ttgcacattt caagagagaa 120
 aacggagaag caacaccagt gtttcgttga atataatgta tgtttgcggtt ggaacgaacc 180
 attttccaaa catacactat cactctatca gctaccttct ttattaagtt gtttctagta 240
 atatttattt ggtaaa 256

<210> 40080
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941956H1

<400> 40080

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 ttcgccatgc aactagccag tgcctcagta ctccctatgg ttctcaaata agctcttgag 120
 cttgatctgt tggaaatcat agccaaggct ggccctgggg tgtcaccttt cccctccga 180
 cattgcgtct cggtcctcaa cacacaaccc tgatgcaccc gttatgttgg accgtatatt 240
 gcgcctct 248

<210> 40081
 <211> 249
 <212> DNA
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<223> Clone ID: 700941958H1

<400> 40081

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 ttgtcatcaa ctagcttctc tctattgtcc ctccgattcc gcatttctct gcttccactg 120
 cgacgccgcc gccacgccg ccaacttctt cgtagctcgc cacctccgcc gcctcctctg 180
 ctccaaatgc aaccgtttcg ccgcaattca catctccggt gctatatccc gccacctctc 240
 ctccacctg 249

<210> 40082
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941967H1

<400> 40082

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tctctctcct ctcacaccgc gtcaccgccc ccccaactgtc gccgcccgcg ccgccacccc 120
ccctcacagt tccattctct tctcgttttc ccttcgtctc actctcacac gaaaaccagt 180
tctcgtcgcg ggggcgctct cgtcagtcgc tgcgctgcc gccctcgttg acgtcggagg 240
ttccttcaac acc 253

<210> 40083

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700941970H1

<400> 40083

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atagtttttg aaaccaagaa ttctgaaga agggtagcat caacaagcag ttctgaaaat 120
ggagatcacc aatgtcagtg agtatgaggc tattgcaaag cagaagttgc caaagatggc 180
gtttgactac tacgcatctg gtgcagagga ccagtggact ctgcaagaga acagaaatgc 240
cttttccaga 250

<210> 40084

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700941974H1

<400> 40084

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tgaagtttct gatggagcag cgaaagttgt ggttttgggg attccgtggg atatcgatac 120
tgagggattg agggaaatata tgagcaagtt tggtagactg gaagattgca ttgtcatgaa 180
ggagcgggtca actggacggt ctcgtgggtt tggatatgtt acatttgctt cagtggatga 240
tgct 244

002260-ETTES60

<210> 40085
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700941976H1

<400> 40085

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gccgagggat caccgccttg gggaagcgag tcgccaacca gatctggact tccaaccccc 120
cctcagctcc tctcacttcc aggaggggag caatagcagc tgcatacagt agcagcggcg 180
ggtcagtgtg tgacaagaac cctgatgatc agatccactc tggggcggtc ccagacgatg 240
tgatcc 246

<210> 40086
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 700941979H1

<400> 40086

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atggcaacca caaccctctc ttcaaaccgc aaactctcat tttccacac aacatacg 118

<210> 40087
<211> 116
<212> DNA
<213> Glycine max

<223> Clone ID: 700941901H1

<400> 40087

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ttgtccttct tcaaataccg taaaaccttc aagaatccac cacttccaca caacat 116

<210> 40088
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700941981H1

<400> 40088

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tagagaaaca ttggcatcta aatttgaaga ggaaactggt gaacctggag cggataaggt 120
agagaaagaa caaactgtgg agcctgagaa aactgaggag gttcaagcca ccaaggaaag 180
tgatgcaaca aaaacatcca aggaccttcc aaaagaaact ccagcaaac cagctcaaaa 240
gcaatca 247

<210> 40089

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700941982H1

<400> 40089

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tggaccgttg tactgtaatt gtaaagcata ttctccccct tgaatttctt ttcatttagt 180
tgagaattca aaattgttcc caaaaaaaaa aaaaaaaaaa agggggggccc 230

<210> 40090

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700941983H1

<400> 40090

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gcaacggctg cggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180
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gtgtgcc 247

<210> 40091

003320"ETTESO

<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 700941818H1

<400> 40091

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gtctcaccgg ccgcaagatc attatcgata cttatggagt atgggggtgtc cttgttgttg 120
ttgctttctt cggggaggac ctaccaaggt tgataggagt ggtgcttaca ttgtgagaca 180
ggtgctaaga gc 192

<210> 40092
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700941824H1

<400> 40092

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aaggatcctt tatcgttttc actctgggca agaaatcgca aaaccagatc cagaaactac 120
tacatatggc agtctttggg ttttaattggg ggctactcct tctatagtca tttggtgaat 180
gtttatctat tacctatacg tcagataatc ctagagacaa agcaaactag gcgtcacttg 240
agctttttta g 251

<210> 40093
<211> 99
<212> DNA
<213> Glycine max

<223> Clone ID: 700941825H1

<400> 40093

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gaattatcac aggctaaaga gcttgtgagt ctatattgc 99

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<212> DNA

<213> Glycine max

<223> Clone ID: 700941826H1

<400> 40094

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<210> 40095

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700941832H1

<400> 40095

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tcccaatggc cactgttgag gttgtgtcag ccaaggttgc cctcccagag gacacaatag 120

aggcatcatt gaaggttgac gaggagagaa cacagaagaa gttgttgaga ctccatcacc 180

aggaa 185

<210> 40096

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700941833H1

<400> 40096

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gattcctgcc catatttggtt gcatattctg cagagagttt gaaaaagagg gataggcaag 120

atcaaaatga tgctcaatga cacagtttta tgagaatttg gtaaagtctt ataaagaccc 180

tgcattgctt ccaattcagc attcattcga caatgacaat cttcgcagtc cccttatatc 240

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<210> 40097

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<212> DNA

<213> Glycine max

<223> Clone ID: 700941834H1

<400> 40097

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attgaaaatc ttgattcgaa tgtttccagt ttgggctact gggattgttt ttgctgctgt 120
ttatgctc 128

<210> 40098

<211> 171

<212> DNA

<213> Glycine max

<223> Clone ID: 700941839H1

<400> 40098

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gttggtaggg aggataacca cattcagctt ggtccatatg gggttaatat caagtgctat 120
cgattgggtg acgaattgga tctgttttct ccattgcaga ttcttgaatt t 171

<210> 40099

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700941846H1

<400> 40099

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caaatcattc ttgtctttac ttcctttttc tgctctttca gaaattctgt aaaatatata 120
ttacctctt ttacactcct ttgaagatga acgtactttc tactttcagc tttaatgcat 180
tgcttccggtt attgtcctgt atatcaaaat 210

<210> 40100

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 700941850H1

<400> 40100

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 gtagccgagg gatcaccgcc ttgggggaacc gattcgcaaa cgtctcgag ttttcaaacc 120
 cccttaaagc tctgaagtct cgaaggggga caatagcagg tgcatacagt agcacggcgg 180
 gtcagtgtat gacaagaacc tg 202

<210> 40101
 <211> 90
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941857H1
 <400> 40101

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 ctcgtagcaa ctccgatccc ccccgagtc 90

<210> 40102
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941860H1
 <400> 40102

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 tggtttcttt tatataaggc ctactcttcc ttcaattgag ctcttgatc gtgttgcaac 120
 tcggctttca atgacccaaa atcatgggat caggcagttt ttaatgagga gctctttttc 180
 cttcacatc ctggttatga tggacttcac gctgcaaaaa ggacgatgga tatgtacctt 240
 tttatg 246

<210> 40103
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941865H1
 <400> 40103

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tcttggacca gtcataccca tattgaatca gacttttttg gtttggcagc taatgttttc 120
 tactcttctc gtgagaagaa gatactcaat caatcaattg gttgggtgct tacttgtagc 180
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<210> 40104
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941866H1
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 gcttgaagtg aaggttgaca cact 84

<210> 40105
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941867H1
 <400> 40105

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 gagctatgtg aagctgttgg tcctgacccc accaggtcag aattgggtccc tgcatatggt 120
 cgtctgctgg tgataatgag gctgaagtac gtattgctgc tgctgggaaa gtaactaagt 180
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 tatcaacag 249

<210> 40106
 <211> 198
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941870H1
 <400> 40106

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 atagaaaactg ctttttagta ttttacttca gaaagccgcy ttgtatttat tgtgttggat 120

gtgcttggga aaggatctaa gttatccttc taaataactt acacaaagca tcatatatat 180
gcaatggggc atcatggg 198

<210> 40107
<211> 106
<212> DNA
<213> Glycine max

<223> Clone ID: 700941873H1

<400> 40107

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caaggtatta gtcgacacca agactagacg gtgaaatcga ggctgt 106

<210> 40108
<211> 201
<212> DNA
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<223> Clone ID: 700941874H1

<400> 40108

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gctggaaact gcaagtgatt aggaacatgt agctatgtgc gtttttagtgg acaagtctgg 120
caccatgttt ggcatttctt ttccctgtag agtttatact tgagctagaa aggcccatga 180
agacattgga atttcaattt a 201

<210> 40109
<211> 180
<212> DNA
<213> Glycine max

<223> Clone ID: 700941880H1

<400> 40109

aataccacca actgaagaaa ttgctgacag aatcaacaag atgctggcag tgctcgagaa 60
gaacatcttg tgggtgaacc ctgactgtgg gctcaagacc cgtaagtaca ctgaggtgaa 120
gccagccctc acaaacatgg ttgccgcagc aaaactcctc cgcaacgaac ttgccaagtg 180

<210> 40110

<211> 171
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941881H1

 <400> 40110

 ctttgttcaa gacaagaata aaggaagaat acaagtgata tcttcatttg ttcaagacaa 60
 gaataaagga agatatcact tgtattactt cgattgggtt gcttgatttc ttttagagag 120
 gattctttgt gatgcttttg ccaaaaaaaaa aaaaaaaggg gggcccgcgg a 171

<210> 40111
 <211> 84
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941882H1

 <400> 40111

 attgcaattt ctcaattact acatcgattt ctgcaaattc aaactggcgt cttgagtttt 60
 cttgaaagat ggggaggtcg gcaa 84

<210> 40112
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941883H1

 <400> 40112

 taaacccta aatcactat gcaaaattcc aaagtagcta gagtctaagc ttcgatcggt 60
 aaacagctct gcacaaggaa ttgtaatctc ctgtgtggag taggatctat tcgaagcgca 120
 agatatcatt acaagcaacc tctgtttcaa catcattcat ttactaagtt atacaaggga 180
 gccatgatag aaaagcataa tttcctttca acaatgacta ctaacaacac taccaaggaa 240
 aggagtgaac 250

<210> 40113
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941884H1

<400> 40113

ctcttttgag cacaattgtg ccctatacca ccactcagct ttccatctat aactctttct 60
agacatcttt tgaagatgct gctgtggcta tgaacatcac cagagtggcc tcggtggcac 120
cctttgagct tgtttcagtt ccaggggctc gcaagtggg cccagtatgc cggttattga 180
gttggtgctg cagagtgaga tgggtgaagtg gaccatacat tgaagaaact ccatggtgag 240

<210> 40114

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 700941885H1

<400> 40114

gatgaggagg aagaggatgg tgaagcagac gaccatatgt gaagagacta aaatgtgaag 60
atgcctgtgt cttacttatg ctatgtgatg cgtaagtgtg tttgctctgc actccaacgt 120
gaagaagatt taattactaa tagtgtatgt acggtttgcg ggataatact ttaatggtag 180
tgagattgga gtttgg 196

<210> 40115

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 700941817H1

<400> 40115

ctggagctca accttctgct atgaaagaaa caccaagcaa attgtcagaa cgtccttgct 60
caactaataa tggaaccggt cataaccata caggtgcttc tatcagtggc agcgcaccgg 120
cttctaaggc acaggtgttg gttggcctcc tattagatca tttaggaaaa actcaatggc 180
taccaccac 189

<210> 40116

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700941887H1

<400> 40116

aaagaaactt gggacggtga aattggaggg ttttccggga tccaaggcc gaatcttgat 60
 tcaatttacg aaaagagaac accatccgtt gctgaatctt gaagccgaat caaatcgtag 120
 agagagagaa gacaccaga taggcgaata gcgttttagag agagaaaggt gaagtggggt 180
 tgtctaaagt ttgggtcttg tgtttgttgt gtgtggtggg tgaaaggga agatgacgga 240
 tgtggtac 248

<210> 40117

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700941888H1

<400> 40117

cattcttcag cgactgcgtt tttggatcgg aacctcttct gcggcgtagc aatcgggaca 60
 ctccaacgtt tcggaactgc tcacccaa 88

<210> 40118

<211> 104

<212> DNA

<213> Glycine max

<223> Clone ID: 700941889H1

<400> 40118

cattttctgg ctaaccaacc ctgacactcc ttcttctcgg ctctctgttc gatcatgcgt 60
 tcagaatgcc gccgaagtgc gacctctccc agatcgtaga cgtc 104

<210> 40119

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700941891H1

<400> 40119

gggtattgca aaatgaacag cacaatgatg aagttggtgg ctcaacatgc caagaaccac 60

002220"ETFE50

atagggtcag taactgaggc caagaagctg gcttctcctt ctctttctcc ttctacttct 120
tcttcttcgt aacttcaaata aacctgagag atgatgagaa gagaaggatg gcagaggagt 180
ctctcagaac agttatgtat ttgagcacat gggggtccta attcttgaga gttagaaaac 240
at 242

<210> 40120
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700941892H1

<400> 40120

cacacgcata gagagagaga gaaagagaag cagaggaaga aggagaagaa ggagatcttg 60
agagatcagg tcgcaactcg tcatggggag agaagttaca ggaatgcaag ttgtggacaa 120
gaagccaatg gtgttatacc agcttcaaata ggtagttcta atgataaagt atgcttttct 180
cctaaaatgg aagcagctaa ggttcaggcg aaggatcaca aggtaaatga atgtaccaa 240
act 243

<210> 40121
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 700941893H1

<400> 40121

cgccaaaact agggttttgc attgatggca ctgtgcaacc gcgtcagatc gggaatctct 60
ctcttcacca aatccacgtt ccttacttcc cagcgatgcc agtctccaac gatccctcgt 120
tgcccctttc atttcctcg cctccagaaa ttacgccaac gtgccggggc aaaaggaaac 180
c 181

<210> 40122
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700941894H1

<400> 40122

tggaattaa cccttgcca tcttgcaaag ctgcaaatgg gagcaggggtg gtggctgcta 60
tcaacaatgt tacatttatt atgccaacca ttgccttact tcaagcacat tatttcaaca 120
tcaaaggggt gttcaccact gatttccctg ccaatccacc ccatgttttc aactactcag 180
ggcctggacc agccaatttg aacaccgaaa ccggcacaaa ggtttac 227

<210> 40123

<211> 109

<212> DNA

<213> Glycine max

<223> Clone ID: 700941895H1

<400> 40123

gttttgagtt aacaaatgat ttgcttgagt aggatctttt ccatctaaag actacgctag 60
tacatctgcg cagctgctcg tggagcttag ggcattgcaa atggaactc 109

<210> 40124

<211> 223

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941896H1

<400> 40124

ttcaaacagg aattatctgg agcatcttcc gagcttggtta ataagttgat acctgaccat 60
gtgaagcggc aaatggggat acagtttatg catctgggag gatcgtgacg ataagnagct 120
taggggacat agtgtatact agctggtaag ttaaaaaata atgggtgcat gttctgtgac 180
ctggcgaatg tagtttcaag ctgaaaccgg actgtgattc gcg 223

<210> 40125

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700941749H1

<400> 40125

ggcaattctc ttttctgtga ttcttgccaa tgctattgtc atatgcaaca tggcactggc 60

tctatctggc atggagggcc atggtggata cttggcaatt ctgaaagcat gtcttctcct 120
 aaggggaagg acttcaatgg ctttgttcct ggcacttcct gtcaatgtgg ccttggtgc 180
 tattgaggcc ttgttccaat tcagggttgt gaggccctat catgttgctg gaataacaag 240
 gccttgtgtg g 251

<210> 40126
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941753H1

<400> 40126

tccacggcat aggggagagt ctgccagtac tataatgttt gggcagaggg ctatgaaggt 60
 ggaaaacatg gtaaagctaa aggaggaatt tgattacaaa agcttatcta ggaggttaga 120
 tatagaatta gataaactca ttgtggaaca tgaaaggcaa cagaagacat ttgaggatga 180
 gattgaaagg tcagccactg aagcacaaca tcggatatct gaggctgaaa gaaactatgt 240
 agattcattg 250

<210> 40127
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941765H1

<400> 40127

atcatctgtt cctctgattc caaagcatgt atgtgatgat atctttatgg attatgatgc 60
 attaaaggct gttgggacag gggtggggac tgcagctgta attgtaatgg ataaatctac 120
 ggatgttgtg gatgctattg caaggctttc ctacttctac aagcacgaaa gttgtgggca 180
 gtgcacacca tgcagggagg gaactggttg gctttggaca atcatggaaa gaatgaaagt 240
 tgggaatgc 249

<210> 40128
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941766H1

<400> 40128

cttttagtctg tacaaggata aatgcaaggc cgaagatata cttctggaga tggaccggat 60
 tttgcgacca gaagggtgctg tcatattccg cgacgaagta gatgtgataa ttaaggtaaa 120
 gaaaatagtt ggaggaatga gatgggacac taaaatggtt gaccatgagg atggtcctac 180
 ttgttctctga gaaggtgact gttgctgtca agcagtattg ggttactaat tccacacaac 240
 atacg 245

<210> 40129

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700941769H1

<400> 40129

ataaaatttc cttcctgtct ttctactagt ctctatgttc tgtgccagcc agcatctatc 60
 atactccaca caacatagg 79

<210> 40130

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700941774H1

<400> 40130

gcggtaggct catccgagac cggaagcagc aatggggatc gatctcaagg ccggaggtaa 60
 aagcaaaaaa accaaaagaa cagcacccaa gtccaatgat atctatctta agctcttggg 120
 caagctttat cgcttccttg ttcggagaac tggcagcaaa ttcaatgccg ttataactcaa 180
 gagattgttc atgagcaagg ttaacaagcc cccattgtct ttgtcaaggt tgattaagta 240
 tac 243

<210> 40131

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700941778H1

<400> 40131

tattcttcta actcggactt tcgatatcag catcacgtat gattaatatt atcaaatacc 60
 acgagtatgg cttactgggt atgacgagtc aaggatgctc ttgcaaccag aacttggtct 120
 tgaagatggt agtcaagacc atgcacgcaa aacggtaact cttgaggacc atcctcactt 180
 gccaggaag catgcatcta ttcattccatg tcgacatgga gctgtgatga agaaaatcat 240
 tgat 244

<210> 40132

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700941782H1

<400> 40132

ggcaatagta gcaacaacaa taatataagt aaaagaatct ctgtgttgct atcacacttc 60
 gctagatcca gccccatcat ggcttcagag aagcaagcgg ctcttgccgt cactccctct 120
 gatgctgatg ctctaccat atttgacaag atcatcaata aggagattcc ttctactgtg 180
 gtttatgagg atgacaaggt gcttgccttc agggacataa ctctcaagc tcctacacat 240
 attctt 246

<210> 40133

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700941783H1

<400> 40133

ggccaagaa ggagcaggtt tgctttcaat tgtgatccaa gaggctgaag aggttgaggg 60
 ggaccatcac aacaacccat ttgcagtgtc gacctttaga ggcgaaaaga aaaggacaaa 120
 gacgatgaag aaaactcgac acccgcggtt gaatgaagaa ttccaattca tgctagagga 180
 gcctacctct acatgagaag atacataatg aggttatgag caagaggaag aactttagtt 240
 ttctgcc 247

<210> 40134
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941785H1

<400> 40134

aaaaaggctc tttatgaagc actaatgagg caagaagagc tgcttgctta cattgatagt 60
 caagaaaaag ctagggttacg gaagaagttt tgctgggtgag ttttggttgc tgatagaaag 120
 ggactctggg agagggtggtt ttcgaaatcat ggtgtttcta gtgctgacct tgcacatgat 180
 gttaaactct gaatactgat tcagtttaat gagtaaactt gagaattggt tcaaacttgt 240
 gtatag 246

<210> 40135
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941788H1

<400> 40135

ctttgtctca acctcgtttt cccccctatt ttctgattaa ctctttacac gatcttatct 60
 acgaataata aaaaattaat tcttcaattg attctttgtg gcgggtgttcg atcggtacct 120
 gcatctcttc ttttccagggt ttggagaatg agttctgtgc aaggaccagt tgtgtgcct 180
 tctgtccgtg ccaaacaagt agggttctgc agcattccaa tgattggggc agtgacaatg 240
 aa 242

<210> 40136
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941789H1

<400> 40136

caccggtctc agcaagttcg tcaagtggta cctcggttat tacggcctcc agccaagcct 60
 gaaaaaggat aatcaccttc acaatattga atgaccattt ctataattat ctctcctcta 120

ttttgttctt tttacggcaa gaaaaaaaaa acaaaaaaac cttccccttg ctcatggatc 180
 atttctcttg tttttgttga atcattatta ttattattat tgttattggt gtgggtggtgt 240
 agc 243

<210> 40137
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941791H1

<400> 40137

tccttcccat aatcatttcc tacattcata aacgacgtcg tcacgctct tccgccctaa 60
 tctctatcta gccccctctc ttctcgctt cgcctctcat cggactcttc accggcctcg 120
 acgactacct ctacgcctgc ggcgtggctc gccttcgggt ctccactttc tctctaatacc 180
 aagcctccca cctcgcttc accgccgtct tcgccttct cctcgctcgc cacaggttca 240
 cgc 243

<210> 40138
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941793H1

<400> 40138

tctctatatt ccattgccac ccagttttga atatattttt attccttctt tgttttcttca 60
 ctttcttcca tacacattac catgtcttct cagactgttg tctcaaagt tggatgtca 120
 tgtcaagggt gtgctggagc agtgaacagg gttttgggaa aaatggaagg tggtgagtca 180
 tttgacattg atctgaagga gcagaagggt acagtgaag gaaatgtgga gccagatgaa 240
 gt 242

<210> 40139
 <211> 67
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941794H1

<400> 40139

ctcgagccga atcggtcga gaccttgctg cggttgctcc atcaccgaat cacttgacaca 60
caacata 67

<210> 40140

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700941795H1

<400> 40140

cactgcaaca ataacaatca aagaaaagaa accttctcag acacacaaca aaaataacat 60
ggaaatggaa tcgaaagact atgcctacag cggcaagata atgctaatacg ccattgtggt 120
tctcttcacg gttatcatca taatgctttg cctccacgtc tacgtccggc ggcgccctcg 180
aaacgctcgc cgccggccac agctccgcgc cagtaaccgc ccgcagttcg tgttctacat 240
ggac 244

<210> 40141

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700941796H1

<400> 40141

gggctttaca gtgtttctct tccttcttct tcttcttctt cttcttcttc gttgaatcgc 60
gattgttctg tgcgagagaa agaagagaga gatcgaaaat ggcgttggct ttcgacgagt 120
tcggaaggcc gttcataatc ctgatggagc aggagcagaa gagcagactc cgaggattgg 180
acgctcagaa agccaacatc tccgccggca aagccgtggc tcgcatactc cgaacctccc 240
tcg 243

<210> 40142

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700941801H1

<400> 40142

tttctctctc aagaaccatc aaatctcgat cctccctctt cctgcaaga tccggtggtg 60
gttccgattg cgcagtaggg tttggtctag ggtcggccaa ggctggcgag tatttgggtg 120
aagtaaatgg cggatcgagt ggtgcgagcg tgggtgttgcg gcagcggcgg cggcgttgat 180
agtgttacag tgcggtggcg attaagtgtg tcttcaattt taattttgat ttgagtgcta 240
tactcccact gcagacc 257

<210> 40143

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 700941802H1

<400> 40143

aaactttctca cgttcagttc cattttgtgg ctcaaaagtg tccgaactgc aaatcctaca 60
atacacgaca aacatgagggc tgagcaagtg gccacgatta ttcattgggt tegtcaaaag 120
ccttcacttg agtttcttga tgttgttgtg attcgtgaag gctgtgaaaa tgcattgtgtg 180
tccattgggt 190

<210> 40144

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700941803H1

<400> 40144

gcgaaattga aggtcttcat cgtgttctat tcgatgtacg gacacgtgga ggggctgtcg 60
aagaggttga agaaaggcgt ggacggagtg gaggggtgtg aaggtgttct gtataggggt 120
ccggagacat tgccgattga ggtgctgaat cagatgaggg cgccgcccaa ggacgacgcc 180
ataccagaga ttacggcggc ggagttgacg gccgccgatg ggggtactgtt tgggtttccg 240
acgaggtacg ggtc 254

<210> 40145

<211> 251

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700941804H1
 <400> 40145

caaggagata gtattcaact atgtaaatca gctgtgag agcttgccaa gtccaaatgg 60
 agagtcagta gtagactgta atagcattta tggattgcca aacatcacgt ttactgttgg 120
 agacaaacct ttccctcac ccctgagcag tatattctga aaactggaga aggcatgca 180
 gaagtttgcc ttagtgggtt tattgctttt gacattcctc ctctcgagg tcctctctgg 240
 attcttggcg a 251

<210> 40146
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941805H1
 <400> 40146

caagaagccc accattactt ccaggagat ccaaacggcg gtgcgtttgg tcctccctgg 60
 ggagttggcc aagcatgccg tttctgaagg caccaaggcc gtcaccaa at tcaccagctc 120
 ttgattggtt tcggtgttta tgtcagggtt ttctgttagc ccgattta at tagggtttct 180
 tttccttgta atttctgtga gtagtagat gtaaaattaa accttttatt t 231

<210> 40147
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941806H1
 <400> 40147

ctttgaagga aataagagtc aagaaaggtc ttacagatga tcttggtgca gaggtctga 60
 tgatagatgc attggacaaa attgaaaagg atttaaaaaa acctttactg agaaatgata 120
 agaaaggaat ggacttctct tggcagagtt tgataagatt aataagaaaa ttggaattcg 180
 aaaggaagat ctaccaaagt atgaagagga gctagaactt aaagtagcca agcac 235

<210> 40148
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941807H1

<400> 40148

ggagacaatt gtgagcatga ttcctgctga tagaggggtca gtttcagctg gcttcttgta 60
 aaggcttctc agcatttcaa gccctcttgg tgtctcccca gtgaccaaaa cagaactgat 120
 aaagagagcc agctacagtt tgaggaggca acagtgagtg acctccttta tccttcaaca 180
 tcccccttgg accaaaactt ttatgacacg gagttagtcc tagcagtgtt ggaaattact 240
 tgaagttttg ga 252

<210> 40149
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941743H1

<400> 40149

tctatctctt ctctctctct ctctctctct atctctctct ctcttattaa acaaattgat 60
 acccctttaa ttagtattct taattactct ttccatttcc atatactagc tagctacaaa 120
 tatatattat gggttttagtt ctttaaggca tcaatctgca gcatagtcac gaacaagaag 180
 aagaagaaga agagggttcgt ggatggcact agtggtgaga aaaatgccat tgcaactcat 240
 gtgggggtc 248

<210> 40150
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941809H1

<400> 40150

attggtgttg ccggtcagat cattccttag aacttccctc ttctcatgtt tgcttgggaag 60
 gttggaccgg cattggcctg tggcaacacc attgttctca aaacagctga gcagacaccg 120
 ttatctgctt tatatgcagc aaaactatct catgaggctg gacttcctgc tgggtgtttta 180

gtatcttcac tatggcgtga gaactttggt agttcagacc ttcctccgcc tctgttttc 180
 accttggaag acagatccga tttttctcct gaatcaggca tactagatta tcaaatatcc 240
 cctgaggcta agtcaga 257

<210> 40154
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941695H1
 <400> 40154

ctccggagag ctgcgaggtt gacatcgtgt ccatcgacgt tgaccatgaa aacagtgtga 60
 agaggttgac cctggacgga aaaaacaacg cgtttccgtc accctcgcca gacggtaaatt 120
 ggatcgtgtt tcggtcgggt cgatcggggc ataagaacct ttacataatg gacgcattga 180
 tggtgagaag aaggagcttc gaagattaac ggaggggtccg tggactgata ccatgtgcaa 240
 ctggtcaccg gatggaga 258

<210> 40155
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941696H1
 <400> 40155

ggttcgcgct gctcttcggt gtcggattgt taacgattct caaattgggt ttcgatgttt 60
 tcagatgggt ctacgtcaat ttcctccgac caccggagat tctcaaaaag tacggatctt 120
 gggcagtggt tactggaccc actgacggca ttggaaagag cttcgctttc gagctcgctc 180
 gcaagggcct gaacctcgtc cttgtcggaa agaaccocga caagctcaaa gacgtgtcgg 240
 attcgatcgc ggcg 254

<210> 40156
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700941701H1

<400> 40156

cacttcgtta atcctcgcat atatgggaca agctgcatat ctttccagac atcataccct 60
 tgaaagtgag tatagaatta ggttctatgt atctgtacct gtaaaactta gatggcctgt 120
 acctgcaata gccatacttc aagctgtggt tggaagtcaa gctgtcatca cagggacttt 180
 ctccataatc aaacaatgta ctgctatggg atgtatcccc aaagtgaaac tattcacact 240
 catccaaaat gcatggc 257

<210> 40157

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700941702H1

<400> 40157

ggctcgagca tatttatgag agtaaaagag tgagcttgaa tgcttgatat ctgttatgaa 60
 ctgctgggtt tgggctcatg taagcttaag ggcttacta ttggtactta aaaaaagaaa 120
 actcccatct ttttcaaaaa agtagtcaaa acttgaaatc aaatcaggag cgggggaaaa 180
 agaaaagaga gagaagtagg gttcgaaaat ggcagcagaa tcatcagagg gcgaagaaga 240
 aaccaagtta agcggaggga gct 263

<210> 40158

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700941703H1

<400> 40158

atatattagt gtagcattgt gaagaaatag atggattcaa ttgtggtctt gtcattggtt 60
 ttgtgcgttt tggtagtagc tgcccgtgga ggtttagggg cagtttctag ggacatattt 120
 attctggcag gacagagcaa catggcagga cgaggagggg ttttcggggg aaaatgggac 180
 ggtgatgtcc cagaggagtg caggcccagc cctggtgttt tcaggctgag cgcgggcctg 240
 gagtgggagg aggcg 255

<210> 40159
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941704H1

<400> 40159

ttcagaaata agcacttatt taatttcacg gtttctaaaa tggatgtcca ttgccaaaaa 60
 ggcaagagaa caaaagtatg tcaactacatg atgacccatg atccaagtct tgcataacat 120
 caacaacagc aactctttta agctgttcat attctcagca tttacaaaat aaatgttgct 180
 tgacatgatg tgaacaccag tgatgcaatt gatgaatcat ggatcattat cattatagtc 240
 tttagttcca aagt 254

<210> 40160
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941705H1

<400> 40160

tggtttctttc tttctccctc cctctctcaa atctcatcaa tttcacatat attattatag 60
 gcacattcac gattaatatt ggcatagaca atattaatta cttacacacc accatgctaa 120
 tgtgttttta aatttggtag aagggtttat ttatcattac tttaaacaca tgcactactt 180
 aaggaatcag taataaaata acatttttta aaaaaattca ttaggaatgt attaaaaatc 240
 acaatgacaa tgcatta 257

<210> 40161
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941706H1

<400> 40161

aagcatccca caagtacag catatcatg ataagccaat tgtgataagc cattcactca 60
 ggtgaaaaga aaaaaaaaaac atatagtaac aaaaccatgg tgattcacag actcgaattg 120
 tgataaaca tggttcaact cgccatagag ttcgtcgtga gcgtcgcgga aacagtggtc 180

atagttcagc agagaaccgt ggagcctctc ggaatgttga atcgcgcaag tacacctctt 240
cctttctatg gcta 254

<210> 40162
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 700941707H1

<400> 40162

ggtgaggaaa actttggaca gaaaatggag tgctagacaa ggccagacag gagtgacaag 60
aacctctcag cagagggaga agccaccata gaagcaaaga ccagagagta ctttggatgga 120
gtcgcaccac aacgccacac aaagcctc 148

<210> 40163
<211> 188
<212> DNA
<213> Glycine max

<223> Clone ID: 700941708H1

<400> 40163

atactcatct tgttcacatc tgctcactcc ttcttcatc ttctgcagc tcttctgcca 60
caaggtccct aaagaaaagc atcattagaa gtggtacaca aacatggggc atgctcccaa 120
ctgaataatc atgatggcaa agcaaagtct acaacaccac acagtgagat tctgaaccaa 180
gacaaaga 188

<210> 40164
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700941709H1

<400> 40164

aaactctttt gaatgttgtg ggtaatgctg tcaaattcac taaggagggc tatgtttcta 60
taagagtatc gggtgcaaaa ccagaatctt tacaggattg gcgacctcca gagttttatc 120
cagcatctag tgatggccat ttctacatac gagtccaggt taaggactct ggatgtggca 180

ttccccaca agaaattccg catctcttta ccaagtttgc ccagtctcgg agtggaccag 240
ctcgacctag cag 253

<210> 40165
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700941710H1

<400> 40165

ctcactcaca aacgcacact gaattcaaaa tcatcgaaag agagaggcat ggccgagcaa 60
accttcatca tgatcaagcc agatggcggt caaagaggcc ttattggcga gattattagc 120
agatttgaga ggaaggggtt ttacttgaaa gggttgaaac tcgttactgt ggaccgtcct 180
tttgctgaga agcactatgc tgatttgtct gcaaagcctt tctttagtgg tttggtggat 240
tacattgtct ctg 253

<210> 40166
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700941714H1

<400> 40166

aactcttcta cccccccctc tcactaacct tcaaggagaa gtagtaacaa tttgttgctt 60
ctcacaaaat ggtgcttgga aacgtgtgtc cacggaatga aacggttaaa caaacataac 120
ctttgtatct gttattctgt aggtactttg gaatagagtg taatggtaat ccaaactatg 180
tacaattgga gaaactctgg tttattgatg cagcaaccat gctttacatg cttttggtgt 240
aagcttggtt tg 252

<210> 40167
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700941715H1

<400> 40167

gtgcaaaaga ggcgcgtagt cgcaacccta atcagaagaa gcgcagcttc aagcgagtga 60
 cagccaccag ccatgggtcg tatgcacagc cgcggtaagg gtatattctc ttctgctttg 120
 ccctacaaaa ggacacctcc tagctggctc aagatctctt cgcaagatgt cgaagaaaat 180
 atctgcaagt ttgcaagaa aggtttgacc ccgtctcaga ttggtgtcat tctcagagat 240
 tctcacggta ttgc 254

<210> 40168
 <211> 91
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941716H1

<400> 40168

atcgaaatgg cttcgagac tgagacgttt gcttttcagg ccgagatcaa ccagctcctc 60
 agtctaataca tcaacacctt ccacacaaca t 91

<210> 40169
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941718H1

<400> 40169

cgttttgccc cttttgttgc cctaatttca accatgcctc gccgtagctc cggtggaaga 60
 tctgcccgctc ctgctcctcg ggcagctcct cgtcctgctc tagttcacca tgctcctcct 120
 cctgcccttg ctcagagtgg tgggtgatct atgcttggtg gcattgggtc aaccatagct 180
 caaggtatgg cttttggcac cggaagtgca gtggcacaca gggctgtgga tgcagtcagt 240
 ggtcctcgta c 251

<210> 40170
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941719H1

<400> 40170

ctctcgaagc ctctttctct ctcttctaga agctatctgt gtttggtgtt actaagtctc 60
 caacaagcaa agtacatggt tgatttggaa atccaggtcc ccacccatt cgacatcttt 120
 gccgaggcga gagaatcgga tgcccccgga gcaaaggagt atgtgcatat tcgaattcag 180
 cagaggaatg ggaagaagag tctgaccaca gtgcaagggc tgaagaagga gttcagctac 240
 gagaagatcc tca 253

<210> 40171
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941723H1

<400> 40171

cgctcgagcc gattcggctg agcatcagcc catcatggat ggaattggca aactatagta 60
 attggagctt cttttctggc ttttcttgtg tatgctaagt atattggata gaagaacccg 120
 aaattctttt gggtgccagc aattgccccca ttgatatctg ttattctctc tacccttttt 180
 gtattcttaa tccgtgcaga caagcatggt gttgcaattg taaaacatat agacaaaggg 240
 ctcaatcctt catc 254

<210> 40172
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941724H1

<400> 40172

tcaacttcac ccattcatac gtgggggtgt tactgctgct cttttctctt tgcttttctc 60
 tttagtactc tcttcccctt tcttttactt tatcttcttc ttctgagctt gtttaagctt 120
 ttcttccata aaca 134

<210> 40173
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941725H1

<400> 40173

cttacattga actaaatgct caggggaagag ccaggccaac tatagctaaa ctttacaatt 60
 ggagatacag agatttgga gaccttcctt ctgtaaagga ggaagtcata ttcaataggg 120
 caaatgctgt gtttgcttat gattatcagt tagtggatgt tccagattac cttggtaacg 180
 gggagacaac ttcattcctt tgggtttacc aaaatgaggg agaagcagaa tatgttgtca 240
 gtgtctatat 250

<210> 40174

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700941726H1

<400> 40174

cggagatgca gtcattgaaca ggacaaagtt cagattcttc ttctgagcaa aattttgggg 60
 cagcaactaa ctaaattcctc aaaacagtgc aatctagtga agattggttg gtcagttatg 120
 gcagcgttga tttccaaaag gatcctacgt tgttcttctg ggctccttgca ttcactagga 180
 cgatgttact ttgattcacc tgggtttgcc tctatttata aaccacgtga tgtatgcggc 240
 ggtttatctg 250

<210> 40175

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700941728H1

<400> 40175

attccacaag gttatggatt atccaacaga ggaagagatc aaagaccttt gcacctcatg 60
 tggctttacc aattattcaa gcaaaattca gtaggctttt attatgttca cagctcagaa 120
 gccgtaaaat tgggtctgat ctatttataa cattcattct tccctgcatt ttatcaattc 180
 cttcagtatg tatgtataat gtattgtatc acttggttca tctgtaaaga aattgtaaat 240
 aatgaga 248

<210> 40176
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941732H1

<400> 40176

gagcattcca ttgttggttat gttgtattgt agccggagaa gaagagaaga gatagcggcg 60
 aagaaagaaa gatgacggag gcatatataa ggaagaagcc cgggatggcg agcgtgaagg 120
 acatgccgtt tctccaggac ggtccaccac caggcgggtt cgctccggtc cggttcgccc 180
 ggcgcattccc caacaagggc cccagcgccg ttgccatctt cctcactgct ttcggcttaa 240
 actcttgggg c 251

<210> 40177
 <211> 115
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941733H1

<400> 40177

gatatacttc accggcgcac aaaacacatc ggcattgtca ttgaattatc attttgggtc 60
 tgtatttgat ggtcagaact gccaaagtacc aagagataaa tgagtcattc attac 115

<210> 40178
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941692H1

<400> 40178

ccttgagggtg gaaagctctg acaccatcga caacgtcatg gccaaagatcc aggacaagga 60
 aggaatcccc ccggaccagc aacgtctcat ttctgccgga aagcaacttg aggacggccg 120
 tacccttgct gactacaaca ttcagaagga gtctactctt cacctcgctc tccgtctccg 180
 tgggtggcatg cagatcttcg ttaagacact caccggcaag accataagcc tagaggtcga 240
 tagctccgac acca 254

<210> 40179
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941739H1

<400> 40179

tttattgctc tcatggcttt tagtcttgcg tggctagtta ttgaagctgg agttggtggt 60
 gctgtttttg tgcgtttctt tgtaacaag agaggaatgg agtctgaaat cattgataga 120
 ctcggaatg gattctctcg gccccattt gcagccgttg tggttgtatg tactgtagtt 180
 tctatcttgg cttgtgtgcc tttgggtgag cttttctttt tccacacaac ata 233

<210> 40180
 <211> 207
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941651H1

<400> 40180

ctgagagaag cagagcagaa gaggtgaagt gaagatgatg tccacacgac atacgacctt 60
 gcgaaagcag gacgtcctcg aagccaagcc cccccaactg cagcccacgc cgacaaggcg 120
 tcaagagaac gctgcgaggg ggaccacacc tgagcgcaag acaccaggc gcgcctaccc 180
 cgattctgac agagtgcctg tcaaacc 207

<210> 40181
 <211> 145
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941656H1

<400> 40181

cacaaaccgt aacagaacca aacaatgata acccaacggc ttaaccatct acttcactcc 60
 ctcttcctct tcgcagccgc attctccatc ctcaacacaa catacatctt tgcaaacggc 120
 ggttatgccg gtaatggctc cagtg 145

<210> 40182
 <211> 263

<212> DNA
 <213> Glycine max

<223> Clone ID: 700941657H1

<400> 40182

cggagacatc ttcagcacat caaattcaaa tgattcaagc accggaattg ccaaaggaag 60
 aaaagccagt ggaagaagca cctgtcgtca agaaggcaaa tggaactcgt aagaaaagac 120
 aggggcccac ggttcccaaa tctcccaagg ctaagaagcc aaagagggtg cctcgtgcgc 180
 caaaggatga gaatgctcct gcagttcaac gtgcaagggt tccgaagaaa actactgaaa 240
 ttgtaataaa tgggattgat atg 263

<210> 40183
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941658H1

<400> 40183

tggctagatg tggcacctta tattgatgta aacctcttca tcagagtcac cattcagcca 60
 tctagtgatg ctagaatcaa gactcagaga accatcgcaa cttcttacta tgctctcttc 120
 cttggtgggt ccagaacact cctccaagtc atgaagacaa gttttcctga attgggggtg 180
 acaataaagg attgcttgga aactagttgg atcaaactcg tgctctatat tgcattgcttt 240
 ccaagtgaca cccccccaga a 261

<210> 40184
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700941660H1

<400> 40184

gttgaaatcg agtgtagtga tcattgatta atgttggaaga aattagcaat tctgggtcat 60
 tgggtggtgtg tcagcacatc tctttgctgt tatacatggt cttctgatgg ttttgtctgg 120
 aattgacacc aacttcactg tgacatccaa ggcagcagtt gatgaagaat ttggagaatt 180

atacaccttt aagtggacta ctctcctgat tctccaaca gngatcactt ctatcaacat 240
 tgttgggggtt gtagc 255

<210> 40185
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941662H1

<400> 40185

ctcaaagtgg aatgaaagag catacttcag cacaagaaaa gtgaagctcg accacgaata 60
 tctttccatg gcagtcctgg ttcaggaagt gataaatgct gactatgctt ttgtcatcca 120
 cacaacat 128

<210> 40186
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941664H1

<400> 40186

actcgagccg aatcggctcg agtgaacaag caggggaaaa ctccacctat ctttattctg 60
 acccaagtaa ttaggtgcta ctgtcatgca ggagatattg agcgtggtct tcaaaatttt 120
 gagaaccacc taaggcagga caggtctgtt cctgcagaac gtattgtgac tcttgcagaa 180
 ggggcaatgg ttgggtacac tgaaaaagga atgcaaattg ctcaagatat tctggtaagg 240
 atgaacgaga gaaacatttt ttgt 264

<210> 40187
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941667H1

<400> 40187

tccatacgtc ggatctgcta taatacgtt gatccatatg ggctcctcg accacttgtg 60
 ggacgacacc gtcgccggcc caaggccgga aaacggtctc ggcaagctcc ggaaacacca 120

002220-ETFE60

caccttcact ttccgaccta gctccggcaa gggtagcccc tgccctcagtg cctcgttaat 180
cacactcata taagtcata aagattttcg ttttaactaca agtccacaca acatacccag 240
tcgctatagg tngatgtgc 259

<210> 40188
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: 700941668H1

<400> 40188

ctagttctag atcgcgagcg gccgtccttt tttttttttt ttttacttag taaaagatcc 60
ctttcataca gacaccagag gggttt 86

<210> 40189
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 700941669H1

<400> 40189

gttcacacct tgcttcccaa agaaagatta aataaaaagt aatgggtagc tttgaagcgg 60
aaagaacaac agtaggattg gcagcaagag acccttcagg gattctctcc ccacacaaca 120
tacgattttg ctataggggg 140

<210> 40190
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700941670H1

<400> 40190

aagcagtgtg tggttaactgg ggctttgcaa gaataaaggg tatgggatgg ggttgggctg 60
gtgtaactct gctgtacagt gtggtaacct atatccctct tgatttactc aaatttgcta 120
tccgctatat tcttagtggg aaggcttggg ataactcttt ggagaacaag actgccttca 180
ctacaaagaa agactatggt aaagaagaga gggaagctca atgggcggct gcacagagga 240

cacttcacgg tcttcagcct

260

<210> 40191

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 700941671H1

<400> 40191

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cggatctcat caacctgat ctctcagaat cc 92

<210> 40192

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700941672H1

<400> 40192

gttacaacca tcttgccctc tcaacatttt cttcatcact tggaccctag tgcttctcct 60

actcatgaca agtctatctc ttcacccaaa agtgaatgtt ggcattttta gtccaggggt 120

gatggggctc tatgttgctt tcctttgctg gtgtgcaatt agaagtgaac ctgagggagc 180

tgaatgcac aggaagtcag aatctgcaga caaacagac tggcaaagca tccttaagct 240

tggtgttgca atactag 257

<210> 40193

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700941673H1

<400> 40193

ccaacttttg agagattgga taaattagga ctgattgaag aagatgatgg tgctcgtgtg 60

atatttggtg aggggtgcaaa tataccaatt atttctgtga aaagagatgg tggcttcaac 120

tattcttcaa ctgatctagc agcacttttg tatcgtctaa atgtggaaaa cggtgagtgg 180

aatatatag ttacagatgt tgggcagtgg caacacctg atatggtttt taaggccttt 240

aggcgtgcag gatggctgcc

260

<210> 40194

<211> 158

<212> DNA

<213> Glycine max

<223> Clone ID: 700941674H1

<400> 40194

gtccgaaacc cctcacaccg tctcgcctt cgacgtctac aacgacaaga tcaaacacct 60

cctcgaaccc tccgattccc cctgggccgg ccgcatcacc ttccacacaa catacgagcg 120

agcgaaagtg ggacgtgcag gcagaagcaa gaaggcag 158

<210> 40195

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700941676H1

<400> 40195

gctgaaattg tcacgaccat gttgtcatta ttcaccaact tgctcctctt cctatccctg 60

ctaactcggtc tatgcaattg cagggttaca acatcaaagc aagaggtgca aaccctaaac 120

acaatcactc acttcaaccc acaagtttca cttttccgaa ccctttcttc cctgaagcgg 180

ttccagggtt cctcggagtt cgtgaagctc aaataccaca tgggacttgt gctatcgtct 240

ccacacatca tac 253

<210> 40196

<211> 110

<212> DNA

<213> Glycine max

<223> Clone ID: 700941678H1

<400> 40196

ggttatgggtt cttaaccata tcggcctccg tggtgtcttg gatgttgtct acaatcattt 60

gtaatgaagt gggccttttg atgaacattc tgccttgat aagattgttc 110

<210> 40197
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941679H1

<400> 40197

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 tggattatgg agtgctgcta ctatacactt gtttcaatta agattctttt ctttctttaa 120
 tatatgtcaa ggaaataaaa cgctgccacc gacatgtagg aggccatgtg tacttttttt 180
 tattataggt tttgtatttg ttgtttgtct gttttccgaa ttattttatt ggcctctttt 240
 tttcagtgtg ggtagat 257

<210> 40198
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941680H1

<400> 40198

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 ggtgaagata actcttggtg ctttcgatga ctcttttggg gttgcctctc ttaaggctta 120
 tttggcagag ttccattcaa ctctgattct cgtgntcgtt ggtgttggtt cagccatcgc 180
 ttacaacgag cttacaaaag atgcagcctt ggatccaacg gggctggtgg cagtagctgt 240
 ggcccatgca tttgcactgt 260

<210> 40199
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941682H1

<400> 40199

gaaagaacaa gttcaacaaa tcatcaaaga cattaaggag ttttaaggaaa gcactaagg 60
 tgacaagggt gttgtcctgt ggacagccaa catagagagg tacagcaacc tagttgtggg 120

actaaacgac accatggaaa acctctttgc ttccttggac aggaacgagg ctgagatttc 180
 cccttccacc ttgtatgcca ttgcttgtgt tatggaaaat gttcctttca tcaatggaag 240
 ccctcagaac acctttgtcc cagggc 266

<210> 40200
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941684H1

<400> 40200

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 tttttgcctc agttgggact gctatggcat ttgttggttt ggcagcatgt cgtgcatatg 120
 cagttaaaaa gaattcctct ggtagtcat caagaaaatt tataatggca gagctgactt 180
 aaattaactg ttgaattcgt gttcagtatt gggcacacta atcttggtaa ctttaagtta 240
 gaatatattt tttgtacagt 260

<210> 40201
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941685H1

<400> 40201

attaaaataa acatttttaa tcaaataatt tttttattgt tttagtgtgt ttattaaaac 60
 tgttttagtt ttttttttta aataattttt gtttatttta agaagtaaatt tttatgtgtt 120
 tcttgaaaaa aaaaacttat ataaaagtat ttatttttaa attactttaa attttaaatt 180
 taaataaact caccctaaac tatgtcaatt ttgcaggaaa attaaaaggg gtcgttggat 240
 ttcgttttcg tggatgctg 259

<210> 40202
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941686H1

<400> 40202
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 cagagaggac cctgacttca catgggaagt ggtcaagccc ctcaagtga atgaatggga 120
 gtttttttagc gttgccctta taatgtctat tatccataac tttccacgtc ccttgcctctg 180
 tgttttttctc tcgtcgtcct cctcctatat tgttttctcca gcctttcatt tgtaattttt 240
 tacatgatca act 253

<210> 40203
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941687H1

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 agaggaattg ctacacata aggctgtagt tgagaaaata agagctaaca atgaagaaga 120
 gtcgttgagg ataaatgaag agattgatcg acttaaagtg actgaggagg agaggtctga 180
 atatctgcgc ttgcagtcac aattgaagca tgaagttgat cagtacagac accagaaaga 240
 actacttctg aaggaagct 259

<210> 40204
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941688H1

<400> 40204
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 gtgtgaagga attgtcatca gattcttcac agcatgtgog ctttggctag gcttcagtaa 120
 taatgggaat ggctccagtg ttgggaaagg tagcaacaat tgagcagctt cttcctattt 180
 tcctttccct tttgaaggat gaatttcctg acgtacgect aaacattatc agcaagcttg 240
 atcaagtga tcaggttat 259

<210> 40205

<211> 218
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941650H1

<400> 40205

actctgtctc gtttacacat ctctccaacc cttcacgttc gtttctcagt cttattcgaa 60
 tccctctctc aatctcctgt ccacacggcc ttgcacctgg cggcacagga aacaccgacg 120
 agaggccac acgaccacg agctcgcg agggggacct gcgaaggccc cggggcctcg 180
 ggcgcccgtc cgacaggcga gcctggggcc gggcgagg 218

<210> 40206
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941690H1

<400> 40206

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 gatgaagagg tggtgaagag gtgtttggag tgcaatgaga atggcttgat tcggtgtcct 120
 aattgttgct cttcttgaag ttgcaaaaa ataaaaataa aacagaaaaa aaagaaataa 180
 aaaagaagaa aaatttggtg atgttttgca tgaaacttag atgcgattcc ttttggttct 240
 ggtgttggtg tccag 255

<210> 40207
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941691H1

<400> 40207

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 tctcagtttg cagagaaaat ctgaatcatg tcgtggcaag cgtatgtcga cgatcacctt 120
 ctgtgtgaca tcgaaggtaa ccacctcact cacgctgcta tcatcgcca agacggcagc 180
 gtttgggtc agagtaccga cttccctcag ttcaaactg aggagataac tgccatcatg 240

aatgacttta atgagct

257

<210> 40208
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: 700941611H1

<400> 40208

gaatggcact tcgttgcttg gtgatgtccc tttctgttct cttcactctt ggtcttgcca 60

aagaaagcca tgccagagac gaagattttt ggcattgctgc atggccaaac actcccatac 120

ca 122

<210> 40209
<211> 218
<212> DNA
<213> Glycine max

<223> Clone ID: 700941612H1

<400> 40209

cacacaacaa acgagcttgc gaaagggaga ataacgaata acaacacagg catacacgaa 60

caacctaaaa gcctagaagc ccaggtcata gaagaaatct gaaacaaggc ataacaagcg 120

gacatcgcca cacaacgacg gaatgacagc gaaggaaaac acgtcactca cgctgccatg 180

atcggcgaag aagagtcgcg gtcggctcag agtaccga 218

<210> 40210
<211> 171
<212> DNA
<213> Glycine max

<223> Clone ID: 700941613H1

<400> 40210

caattacaca tgtgctgtac ttgtaaatct gattacctag atctttggat aaggcgctc 60

tagaataagc aagtatgagg gtattcacgc ttaaataaaa ttacgtaaga tgagaaaatt 120

tagtaggcag aaagtaggaa ggtggaaaac ttgaaaggaa ggtattctac a 171

<210> 40211

agattccata gacatcctcc tcttacaata gaaggaaaag accgcgtcca acgcagcgaa 60
 tccaaatgac gagttgattg gggatatctaa ggggagaaaag aggattaaga ccgtgaaaag 120
 tttcaaaact actttatgta caaatttgga tggccaaaga actagatatg tgtgtgtctg 180
 tgggggggtg gtgcgtgtta actttggagt ggttttggtc cttggaagtc acttcagaag 240
 agaacctaata caagttatta tag 263

<210> 40217
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941623H1

<400> 40217

aattgcaatt aagtggcata gatcttgaag ctgagaatcg cgtgcgccat gaatagaggt 60
 gaaagtccag gtggtggaca gagctcgttg gggtagctat ttgggtcaga agagtagcca 120
 aatcagcctc tgcccatcaa ggacagctcc attaccaccc tatggcattg acatcgataa 180
 ctccatgccc catcacgggt ctaactgcc aattgtgtgc tcaaacaacc gatctcaagg 240
 ccaccacttg ggaaacattg taactga 267

<210> 40218
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941624H1

<400> 40218

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 tgagcagcgt ccaggatcatg attgggtgag tgctgtgaac gtggcgacg ttagcccttt 120
 cccccagcaa atcgggtggtg cctccctcc ctccctggtc ctagccacta tgttaccac 180
 tttccctcaa gcctctctcc catggcctcc ttttaagctc ctcccgatgc cccactgcc 240
 gtccccctcg c 251

<210> 40219
 <211> 268
 <212> DNA

<213> Glycine max

<223> Clone ID: 700941625H1

<400> 40219

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accgcttgct gcccgagct gctgtacata aactcccata tgaaggatcat ttcacctata 120
tctacttttg tcatgaatgc cacagacaga tatttaccac actttttgga accccacaag 180
gccactcag catttctata gaagtagatc aagctaccct agaagagacc aatattgaac 240
agtaataagt agtaaaagat ggtgatta 268

<210> 40220

<211> 264

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700941626H1

<400> 40220

ctccaagctt tggggatctt aaccaactaa tttcagccac catgagtggg gtgacatggt 60
gtcatcgttt ccctgggcaa ctcaacttag attttcgcaa acttgctgtg aatctcattc 120
ccttctttcg tctgtacttn gtcattgngg gttttgccc actcacatct cgtgggtccc 180
aacagtatag agcttttact gtacccgaat tgaccaaca aatgtgggat gctaagaata 240
tgatgtgtgc agctgaccc cgcc 264

<210> 40221

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700941627H1

<400> 40221

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gtggaacatt tttccacac acccgactac ctagctgcag agggctctcta tcaattttca 120
gctaactgat ggtggaagct caagataagg attgggacgg tagatagggc taggagtccc 180
tgggatgtat atgcctgtag cgacctctgc cacgctgcgc tacgctttgg ctactgacag 240

cggggacgct tttgtggcat tagacc

266

<210> 40222
<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: 700941631H1

<400> 40222

ctatggactt tttactagct gagcttcaca aggcttgaat acatactagc tcacatcacc 60
tgttttacaa caagtctgcc tatcaatcaa tagacgcata cttcagaatt attggctatc 120
gagatgatgt tggtcagatg gatagtatgg tacaatagac atgggtggta gcatcagacc 180
tgatgatgaa tatagcactt gtaca 205

<210> 40223
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700941632H1

<400> 40223

tgggaccagt gttgaaaatg caaaggccta taacgggaac ctgatttctc atcttagatc 60
attggttggg acacctttga tgccctgggaa gtctgtggac acttacattt ttgcactcta 120
tgatgaggat ctcaaacaag gcccaggatc tgagcgttta tttggtatgt tcaaaactga 180
tcgcaccgtg tcgtacgacg ttggattaac caagtctagc cagcagactc catcaactag 240
tccaacaact ccagcaccta aaactgctg 269

<210> 40224
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700941633H1

<400> 40224

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gaacaacctc agtgccctta cagtgaact cgccatgggt ttgctgacag aaattccagg 120

gacaatcatc aattgagttg tccttataga ggtgctgctt cagattatgg ggcttcaaāt 180
 ttccaggtta acgaggtaaa gccggtcata ttccccagct cctttgttca gccaaaacct 240
 actactcagt ctgttaactt ggttccatct gttattgatc 280

<210> 40225
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700941637H1

<400> 40225

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 catggctttc ttcttcctct taatctccat cttctacctc ttctactccc taagggttcgt 120
 tagccactcc ttcgattgtg atcaaacccc tcacattccc accatcactc atcggttttcc 180
 ttccaacacc ccatctgcgt agnagtcac acccccttt gaataagttt ccaacatttc 240
 ccacatagtc ttgggggtgag gagcctca 268

<210> 40226
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941639H1

<400> 40226

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 agaacttctc ccatgtaagc actgcaccaa ttgagtacac tgaaactagc atttgggacc 120
 tgtctggtgt tcacatcgtc acaggtgccc agcttggtgt ttgggacttt ggtgccaaaa 180
 atgtgttaca ccttaagctc cttttctcta aggtaccagg atgtacatta cgccgctccg 240
 tgtgggatca caatccctcc actcct 266

<210> 40227
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941641H1

<400> 40227

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 tctaaggcac aggttagcgg ttggcctcct attagatcat ttaggaaaaa ctcaatggct 120
 accaccacta acaggaacaa tgatgaagtc gatggaaaac caggtgttgg cgcaatcttt 180
 gtcaaggcca gcatggatgg tgctccgtat cttaggaaaag cagatctaag ggttttatag 240
 acatatcggg gactatcttc tgccctt 267

<210> 40228

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700941642H1

<400> 40228

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 ctgtgtcaat gtgtttttct tttttatcgt ttccaatttg tttttgaagt acttctccaa 120
 ttattggcca ccaaattggg ggccaaggat tcttctatgt gtagggtagt ggcaactttca 180
 aagaaggcca aggattctat ttgtagggtg gtggcacttt caaagagttt ctttctcttt 240
 taaaaactcg ttaatctttt atgt 264

<210> 40229

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700941643H1

<400> 40229

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 cgtttctagg gttttctttt ctttgccgag aaaatgagag agtgcatttc gatccacaca 120
 acatacgagc ttgcgaaagg ggg 143

<210> 40230

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700941647H1

<400> 40230

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acataattat atgaatgctt gtgtacaatg taacacgctt atgagatgtt ggcattggctg 120
tgacgtgttt cgatgctaaa aaaaaaaaaa aaaaagaaaa gaaaaaaaaa aaggggggtc 180
cccgtaatat tagggtttgt acccggggtt tatctgcgtt ccggattatt ggagggggccg 240
ttttttccca agggggggaga t 261

<210> 40231

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700941648H1

<400> 40231

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ctcactttca cttctcctaa tggttctctt cacttcatct caaatcacc cagcaccatc 120
accttctca acacatacag acttgttcag aatcctcaga aaagccggag gattcaccac 180
ccta 184

<210> 40232

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700941610H1

<400> 40232

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gctcagcact cgaatcgagt ttaaagctga aaatgaggga atattccact cattccacc 120
agttgctacc atccttagtt acctgaccaa ggccccctctg gttccaccgg gtacaccagt 180
ggtgaatgag ttgtcaaagc agcgagctat gctggaaaac atcctgaggg cttgtgttg 240
attagtcct gagaacaaca tgatcct 267

<210> 40233
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941649H1

<400> 40233

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 tttgcatctg ataccgaggg agctttcact taagattggt agcaagattg aagcttgagg 120
 aaggttcagt gtttatattg tggttccaat gtggccagag ggttaccag aaaaaggaac 180
 ggttcaagca atattggatt ggcagaggag aacaatggat atgatgtaca aggatgttgt 240
 tggagactaa cagtcgaggg t 261

<210> 40234
 <211> 162
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941561H1

<400> 40234

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 cgtactgcac aaatttcaca cttcctctca tatactttac ttcatttggg actcttcact 120
 cttctcgaca tcttcattctc tgtcaagttt ccacacaaca ta 162

<210> 40235
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700941565H1

<400> 40235

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 actagagttc ctggtgacat gctgattgtc acaattgtct tctgttactc tgttattgct 120
 cctgtgataa tccatttgg tgctctatat tttggcctag gatggcttgt tttgcgaaat 180
 caggcactca aagtctatgt accaacattt gaaagttatg gaagaatgtg gccacacat 239

<210> 40236
 <211> 228
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941569H1

 <400> 40236

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 cttcgtgttg ttgaagtgca aggccatgga tccagatcag ggctcttcaa aagcccggaa 120
 gctcaagttt aaacacagga atctcaaacc agtccgaact cccaaaaccg aagcggatga 180
 taagcagaag gaagatagcg cagtgcctcg agctctctcg cgtcgaca 228

<210> 40237
 <211> 103
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941571H1

 <400> 40237

 ctttcaaagt ccaaagctct ctcccatttt ctctctcttt ctgttcagcg ttagataaga 60
 aaaaagaaaa gagaagagta accaacgcac cacaccacac cac 103

<210> 40238
 <211> 229
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700941574H1

 <400> 40238

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 tttggaccgg ctagccttgt aaatggaaac ataacaactg agagagaaag aatggcagct 120
 caggtacttc caacctagtc ataggatgcc aactatgagc attgaggaag ctgggctaaa 180
 agaaatggaa ataatgaaca aatggcaaga gagaaatgtc agactcatg 229

<210> 40239
 <211> 228
 <212> DNA

<213> Glycine max

<223> Clone ID: 700941575H1

<400> 40239

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cctcaacaca cacaaaaatat ctcttccaat ttcaatttct cgtcgtccct catcatggct 120
cgtctcgcga tcgctgtcgc cgccgtgctc ctctgtggcc tctccgctc caccgcgacg 180
gcgcgtccct gcaggacctt cataatctcc tctactcgt tccgcaac 228

<210> 40240

<211> 68

<212> DNA

<213> Glycine max

<223> Clone ID: 700941578H1

<400> 40240

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aataatag 68

<210> 40241

<211> 88

<212> DNA

<213> Glycine max

<223> Clone ID: 700941579H1

<400> 40241

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tgtccctctt cttcctcggg acatggcc 88

<210> 40242

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 700941580H1

<400> 40242

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